

<b>SOLICITATION, OFFER AND AWARD</b>			1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DO-C9E	PAGE OF PAGES 1 52	
2. CONTRACT NO.		3. SOLICITATION NO. N00174-03-R-0036		4. TYPE OF SOLICITATION [ ] SEALED BID (IFB) [X] NEGOTIATED (RFP)	5. DATE ISSUED 29 May 2003	6. REQUISITION/PURCHASE NO.	
7. ISSUED BY NAVSEA INDIAN HEAD 101 STRAUSS AVE. ATTN: PATSY KRAH 1142P KRAHHPA@IH.NA VY.MIL <del>INDIAN HEAD MD 20640 5035</del>			CODE N00174	8. ADDRESS OFFER TO (If other than Item 7) <b>See Item 7</b>		CODE	
TEL: 301/744-6669 FAX: 301/744-6670					TEL:	FAX:	
NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".							
<b>SOLICITATION</b>							
9. Sealed offers in original and <u>2</u> copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in <u>SUPPLY DEPT., BLDG. 1558</u> until <u>15 00</u> local time <u>30 Jun 2003</u> (Hour) (Date)							
CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.							
10. FOR INFORMATION CALL:		A. NAME PATSY KRAH		B. TELEPHONE (Include area code) (NO COLLECT CALLS) 301/744-6669		C. E-MAIL ADDRESS krahgpa@ih.navy.mil	
11. TABLE OF CONTENTS							
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<b>OFFER (Must be fully completed by offeror)</b>							
NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.							
12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.							
13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)							
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):				AMENDMENT NO.		DATE	
15A. NAME AND ADDRESS OF OFFEROR		CODE	FACILITY		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)		
15B. TELEPHONE NO (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>			17. SIGNATURE		18. OFFER DATE
<b>AWARD (To be completed by Government)</b>							
19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT		21. ACCOUNTING AND APPROPRIATION			
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)( ) <input type="checkbox"/> 41 U.S.C. 253(c)( )				23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM	
24. ADMINISTERED BY (If other than Item 7)		CODE	25. PAYMENT WILL BE MADE BY		CODE		
26. NAME OF CONTRACTING OFFICER (Type or print)				27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE	

**IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.**

## SECTION B Supplies or Services and Prices

**NOTE:** CLIN 0001 1<sup>ST</sup> ARTICLE STABILIZING ROD ASSEMBLIES ARE SUPPLIED AS A WHOLE PART, CLIN 0002 1<sup>ST</sup> ARTICLE STABILIZING ROD COMPONENT PARTS ARE TO BE SUPPLIED AS INDIVIDUAL PIECES. BOTH CLIN 0001 AND 0002 ARE REQUIRED.

**1ST ARTICLE**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	STABILIZING ROD ASSEMBLIES	75	Assembly	\$ _____	\$ _____
	FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.				
	PURCHASE REQUEST NUMBER 2323131206415				

**1ST ARTICLE**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	STABILIZING ROD COMPONENT PARTS	1	LOT	\$ _____	\$ _____
	FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.				

**NOTE:** CLIN 0002 SHOULD BE PRICED AS 1 LOT AND NOT FOR EACH INDIVIDUAL COMPONENT, THE SUB-CLINS ARE FOR INFORMATIONAL PURPOSES ONLY.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000201	NUT, LOCK	75	EA		
000202	CONNECTOR, ROD AND SCREEN ASSEMBLY	75	EA.		
000203	NUT, CONNECTOR	75	EA.		
000204	CONNECTOR, STABLIZING ROD	75	EA.		
000205	ROD, STABLIZING	75	EA.		
000206	SCREEN, STABLIZING ROD	75	EA.		
000207	WASHER, CONNECTOR	75	EA.		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000208	SALT, STABLIZING ROD	75	EA.		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000209	SPACER, FELT	75	EA.		

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	PRODUCTION QUANTITY STABILIZING ROD ASSEMBLIES FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.	3,765	Assembly		

**OPTION I**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	STABILIZING ROD ASSEMBLIES FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.		Assembly		

**STEPLADDER PRICING**

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
STABILIZING ROD ASSEMBLIES	0004	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

**OPTION II**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	STABILIZING ROD ASSEMBLIES		Assembly		
	FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.				

## STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
STABILIZING ROD ASSEMBLIES	0005	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

**OPTION III**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	- STABILIZING ROD ASSEMBLIES		Assembly		
	FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.				

## STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
STABILIZING ROD ASSEMBLIES	0006	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

**OPTION IV**

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007	STABILIZING ROD ASSEMBLIES		Assembly		
	FFP - AS SPECIFIED IN THE STATEMENT OF WORK AND DRAWINGS.				

## STEPLADDER PRICING

STEPLADDER NAME	ITEM NO	FROM QUANTITY	TO QUANTITY	UNIT PRICE
STABILIZING ROD ASSEMBLIES	0007	1	1,000	\$ _____
		1,001	2,000	\$ _____
		2,001	3,000	\$ _____
		3,001	4,000	\$ _____
		4,001	5,000	\$ _____

**NOTE:** Should the Government choose to exercise the stepladder options, each option will be exercised for one quantity only. Under no circumstances will the options be exercised for all quantities. Once a particular option has been exercised, that option is no longer available.

## SECTION C Descriptions and Specifications

## CLAUSES INCORPORATED BY FULL TEXT

**MK 71 MOD 2 ROCKET MOTOR STABILIZING ROD ASSEMBLY  
STATEMENT OF WORK**

**1.0 SCOPE:**

This Statement of Work (SOW) establishes and defines the requirements for the fabrication, inspection, and test of the Stabilizing Rod Assembly per the Technical Data Package (TDP) DL318AS240.

**2.0 APPLICABLE DOCUMENTS:**

The contractor is responsible for meeting the requirements of every applicable specification documented on the technical drawings, SOW and contract. The following list of documents is intended as an overview for the top-level requirements for this SOW. The documents listed are of the issue in effect on the date of invitation for bids or request for proposals form a part of this SOW to the extent herein.

**Specifications:**

WS 33732A	Product Specification for the Rod, Stabilizing, Coated
MIL-P-193	Potassium Sulfate (for ordnance use)
MIL-B-21465	Butyl Stearate – Normal
MIL-A-3167	Adhesives (for plastic inhibitors)
MIL-A-81236	Adhesives, Epoxy Resin with Polyamide Curing Agent
DOD-D-23443	DI-(2-Ethylhexyl) Adipate, Technical
MIL-STD-1916	DoD Preferred Methods For Acceptance Of Product
MIL-HDBK-454	General Guidelines For Electronic Equipment
MIL-STD-2073-1	Standard Practice For Military Packaging
MIL-STD-130K	Identification Marking of U.S. Military Property
MIL-M-20693	Molding, Plastic, Polyamide (Nylon), Rigid
ASME Y14.100-2000	Engineering Drawing Practices
ASME Y14.5M-1994	Dimensioning And Tolerancing
KSC-SPEC-Z-0005	Specification for Brazing-Steel, Copper, Aluminum, Nickel, and Magnesium Alloys
QQ-B-654	Brazing Alloys, Silver

ASTM B633	Specification for Electrodeposited Coatings of Zinc on Iron and Steel
MIL-P-16594A	Manufacture of Projectiles, Bombs, Rockets, and Guided Missile Warheads, Inert Parts
ASTM-E-1417 MIL-P-16594	Liquid Penetrant Inspection Manufacture Of Projectiles, Bombs, Rockets, And Guided Missile Warheads, Inert Parts
FF-W-100	Washers, Tooth Lock

Drawings:

318AS240D	Stabilizing Rod Assembly
1127692J	Nut, Lock
458234L	Connector, Rod And Screen Assembly
1127861K	Nut, Connector
458235V	Connector, Stabilizing Rod
1127754K	Rod, Stabilizing
1127855J	Screen, Stabilizing Rod
1559681G	Washer, Connector
4902386F	Salt, Stabilizing Rod
318AS241C	Spacer, Felt

Data Item Description (DID):

DI-CMAN-80640	Request For Deviation (RFD)
DI-MISC-81356	Certificate of Compliance
DI-MISC-80508A	Technical Report – Study/Services
DI-NDTI-81307	First Article Qualification Test Plan
DI-RELI-81315	Failure Analysis And Corrective Action Report
DI-MGMT-80555	Program Progress Report

## 2.1 Source of Government Documents:

Copies of specifications, standards, and publications required by suppliers in connection with specific procurement functions should be obtained from:

Commander  
U.S. Naval Publications and Form Center  
5801 Tabor Avenue  
Philadelphia, PA 19120

A request for copies of the applicable drawings required to by the contractor or sub-contractor suppliers of material defined by the applicable drawings, statement of work and contract should be obtained from:

For contract and procurement related inquiries please contact the following personnel:

Commander  
Naval Surface Warfare Center/Indian Head Division  
101 Strauss Avenue  
Indian Head, MD 20640  
Attn: Ruth Adams, Code 1142, Building 1558

For production and engineering related inquiries please contact the following personnel:

Commander  
Naval Surface Warfare Center/Indian Head Division  
101 Strauss Avenue  
Indian Head, MD 20640  
Attn: Bart Hutchinson, Code 2310H, Building 702

Commander  
Naval Surface Warfare Center/Indian Head Division  
101 Strauss Avenue  
Indian Head, MD 20640  
Attn: Tim Appleby, Code 2310A, Building 526

## **3.0 REQUIREMENTS:**

### 3.1 General:

The contractor shall fabricate, inspect, test, and deliver the Stabilizing Rod Assembly per the applicable drawings listed in section 2.0.

### 3.2 Documentation:

The contractor shall provide the documentation as specified by this SOW and the attached Contract Data Requirements List (CDRL), form DD 1423.

#### 3.2.1 Requests For Deviation (RFD)

The prime contractor is responsible for preparing and submitting all requests for deviation. The prime contractor shall prepare and submit a single request for deviation for each proposed change to the engineering requirements as specified on the applicable drawings, specifications, statement of work and contract. All requests for deviation shall be submitted per deliverable CDRL A001.



### 3.2.2 Quality Assurance Program Plan

All production, inspection, and testing shall adhere to the requirements of this document which is submitted as part of the bid technical evaluation. The plan may be reviewed by the government at their request, amended if necessary by the contractor, and published within 20 days after receipt of a government approved draft. If any changes are made to the Quality Assurance Program Plan during the use of this contract, the contractor shall notify NSWC/IH in writing of these changes. Changes to the QA Program Plan could result in the necessity of additional first article testing. This additional first article sample and test series shall be at the vendor's expense.

### 3.2.3 Discrepancy Reports

Within 5 days of identifying a discrepancy to the drawing, SOW, or contract requirements, the contractor shall prepare and submit a discrepancy report describing the discrepancy observed and proposed corrective actions. Discrepancy reports are a deliverable per CDRL A002.

### 3.2.5 First Article Test Plan

At least one month before first article manufacturing work begins, the contractor shall submit a first article qualification test plan for the procuring activity's review and disposition. The procuring activity will submit a response within 5 business days. The contractor shall submit the final approved version of the first article qualification test plan within 10 days after receipt of a government approved draft. The first article qualification test plan is a deliverable per CDRL A003. The contractor shall ensure that the delivered stabilizing rod assemblies were evaluated using acceptance test and inspection plans and/or procedures, which ensure that the stabilizing rod assemblies conform to the applicable specifications. All testing must be performed as stated in the referenced specifications.

### 3.2.6 Special Tooling and Equipment Report

The contractor shall design and fabricate all special hard tooling and test equipment required to fabricate and test the components of the stabilizing rod assembly.

Thirty days prior to the start of manufacture, the contractor shall prepare and submit a list of special hard tooling used to produce the all of the components that make up the stabilizing rod assembly. The government reserves the right to acquire title of the special tooling under this document. Title to all special tooling and test equipment shall pass to the government if the contractor defaults prior to completion of the contract. The special hard tooling list is a deliverable per CDRL A004.

### 3.2.7 Lot Acceptance Test Plan

At least one month prior to initiating full-scale production work, the contractor shall submit a lot acceptance test plan for the procuring activity's review and disposition. The procuring activity will submit a response within 5 business days. The contractor shall submit the final approved version of the lot acceptance test plan within 10 days after receipt of a government-approved draft. The lot acceptance test plan is a deliverable per CDRL A005. The contractor shall ensure that the delivered stabilizing rod assemblies were evaluated using acceptance test and inspection plans and/or procedures which ensure that the delivered stabilizing rod assemblies conform to the applicable specifications. All testing must be performed as stated in the referenced specifications.

### 3.2.8 First Article Test Report

A First Article Test Report (FATR) shall be prepared and submitted to the procuring activity within 15 business days after the completion of the first article testing. This report shall document the test methodology used to perform the first article testing and it shall document the results of each test. This report is a deliverable per CDRL A006.

### 3.2.9 Lot Acceptance Test Report

A Lot Acceptance Test Report (LATR) shall be prepared and submitted to the procuring activity with the delivery of the lots for which the report represents. This report shall document the test methodology used to perform the lot acceptance testing and it shall document the results of each test. This report is a deliverable per CDRL A007.

### 3.2.10 Progress Reports

The contractor shall submit bi-monthly progress reports. These reports shall be the vehicle where by the Navy may be appraised as to work accomplished, work remaining, key personnel changes, milestone achievement, quality problems, raw material procurement schedules, tooling plans, and potential design changes. This report cycle starts on the award date of the contract and continues until the contract is completed. Progress reports are deliverables per CDRL A008.

### 3.2.11 Certificates of Compliance

A Certificate of Compliance shall accompany every test report, hardware deliverable submitted and with every request cited within this SOW. This certificate shall certify that the document submitted is accurate and that the hardware submitted meets the requirements of the drawing, specification, SOW and contract. The Certificate of Compliance shall include the signature of a contractor representative authorized to make such certification. Certificates of Compliance are deliverables per CDRL A009 and section 3.3.1.

### 3.3 First Article Testing:

The contractor shall submit production representative hardware items and quantities as indicated herein for First Article Testing (FAT). A sample of seventy-five (75) sets of component parts and seventy-five (75) assemblies shall be delivered for first article inspection and evaluation. The first article sample shall be fabricated and assembled using materials, parts, processes, and techniques identical to those intended for production. The contractor is responsible for all FAT and test reports.

Component parts will be inspected to ascertain that all parts and materials produced or procured under separate specifications or drawings conform to their respective specifications or drawings and meet all requirements specified herein. The contractor is responsible for all FAT and test reports.

The purpose of the FAT is to determine if the end item and the processes and procedures used to manufacture the item meet the requirements of the applicable drawings, specification, SOW, and contract.

The government reserves the right to witness and perform any of the inspections and tests that form a part of the first article test to verify compliance to the requirements of the drawings, specifications, statement of work and contract. The government has 25 business days to evaluate and disposition the first article lot test articles and reports submitted by the contractor. If at any time, a first article test unit fails to meet the requirements of the applicable drawings, specifications, SOW, and/or contract, the first article lot submission will be rejected without further testing.

All stabilizing rod assemblies delivered as a first article sample shall have passed examination or product inspections of 3.3.1 through 3.3.2.1 in addition, randomly selected rods from the first article sample shall pass the inspection of 3.4 through 3.8.1. Failure of any first article sample rod to pass any inspection shall be cause for rejection of the first article sample.

3.3.1 Processes. During fabrication and assembly, inspection shall be made to ascertain that processes conform to their respective specifications or standards and the requirements specified herein.

3.3.2 Complete-rod assembly. Each completely assembled rod shall be carefully examined to determine that the workmanship requirements have been met and the assembled rod is complete in all details specified herein and on the applicable drawings.

3.3.2.1 Preparation-for-delivery inspection. Prior to delivery, each rod shall be inspected for determination of conformance with the preparation-for-delivery requirements.

3.4 Coating-material-chemical analysis. A chemical analysis required by section 3.3.1.3 of WS 33732 to determine compliance with section 3.3.1 of WS 33732 shall be made by the following method: (for alternate method see MIL-P-193).

3.4.1 Preparation. An approximately equal portion of the chemical coating shall be separated from each of five stabilizing rods by means of clean pliers. The portions of coating shall be broken into 1/8 inch by 1/8 inch pieces or smaller and blended in a beaker. From this blend about five grams of coating shall be weighed accurately and placed in the container of a Waring or similar “blender”. About 250 ml of distilled water shall be added and the coating shall be shredded for three minutes. The small size shreds shall be suspended by stirring and the coating decanted into one-liter beaker. Add about 250 ml of distilled water to the coating, which resisted shredding and repeat the shredding process for three minutes.

3.4.2 Extraction. The one-liter beaker containing the shredded coating shall be placed on a hot plate and boiled for 30 minutes. The coating solution shall then be filtered through a number 40 Whatman filter paper or equivalent, to collect the shredded coating. The coating shreds shall be washed five times with distilled water, placed in a crucible, and ignited in the muffle furnace at 600° C. After the crucible is removed from the muffle furnace and cooled, the coating ash shall be dissolved in distilled water and filtered through a number 40 Whatman filter paper; the filtrate shall be added to the above solution. The solution shall then be diluted to one liter in a volumetric flask and mixed well. Two 50 ml aliquots of the coating solution shall be taken for analysis.

3.4.3 Analysis. A 50 ml aliquot shall be transferred to a 600 ml beaker, diluted with distilled water to 400 ml and two ml of concentrated hydrochloric acid shall be added. This solution shall be heated to boiling and 20 ml of 10 percent barium chloride solution added by pipette. The boiling shall be restarted and continued for five minutes. The sample shall stand overnight and shall then be filtered through a number 42 Whatman filter paper or equivalent, and washed until the filter paper is free of chloride. The filter paper and precipitates shall then be ignited in a weighed crucible at 600° C to constant weight.

3.4.4 Calculation. The percentage of potassium sulfate shall be calculated by the following equation:

$$\text{Percentage } K_2SO_4 = \frac{\text{Weight of } BaSO_4 \times 14.93}{\text{Weight of Sample}} \times 100$$

3.4.5 Acceptance criteria. The lot shall be accepted if the calculated percentage of potassium sulfate is within the range of 65 percent to 72 percent by weight as required in paragraph 3.3.1. Reject the lot if the calculated percentage of potassium sulfate on either of the two aliquots is less than 65 percent or greater than 72 percent by weight.

3.5 Thermal-shock test. Seventy-five stabilizing rods shall be selected at random from each inspection lot. Each stabilizing rod shall be placed on wood supports in an air bath test chamber at minus 65° F, plus or minus 2° F, for not less than 6 hours. Within one minute after removal of stabilizing rods from the low temperature air bath test chamber, the stabilizing rods shall be placed in an air bath test chamber at plus 165° F, plus or minus 2° F, for not less than 6 hours. The cycle procedure shall then be repeated once again without interruption.

3.5.1 Acceptance criteria. The lot shall be rejected if one or more stabilizing rod shows any evidence of loosening, cracking or chipping as called out in Section 3.5.1 of WS 33732.

3.6 Straightness. Ten rods that have passed the thermal-shock test shall be inspected for straightness as required on the drawing 4902386.

3.6.1 Acceptance criteria. The lot shall be rejected if the straightness of one or more rods does not meet the requirement on the applicable drawing.

3.7 Adhesion test. Thirty stabilizing rods that have passed the thermal-shock test shall be tested for strength of bond between the coating and the rod.

3.7.1 Preparation of specimens. Three test specimens, one from each end and one from the middle, shall be cut from each of ten stabilizing rods. Each specimen shall be three inches in length and shall have one half inch of coating removed from each end, leaving a test specimen of 2 inches plus or minus 1/16 inches. The end faces of the coating on the test specimen shall be at a  $90^\circ \pm 5^\circ$  angle to the axis of the rod. The exposed metal rod at each end shall be free of coating material and burrs.

3.7.2 Conditioning of specimens. Prior to testing, the specimens shall be conditioned at a temperature of plus  $70^\circ\text{F}$ ,  $\pm 5^\circ\text{F}$ , for not less than two hours.

3.7.3 Test equipment. The test equipment for the adhesion test shall be any testing machine having a movable head whose speed can be adjusted to 2 inches  $\pm 0.250$  inches per minute when the machine is running idle. The load indicating mechanism shall be capable of accurately indicating load readings to within  $\pm 3$  pounds. The jig for applying the load to the stabilizing rod test specimen shall be such that the load is applied through surfaces that are flat and parallel to the ends of the stabilizing rod specimen, normal to the long axis of the specimen, so as to shear the chemical coating from the rod.

3.7.4 Test procedure. Each stabilizing rod specimen shall be tested with the test machine crosshead speed set at 2 inches  $\pm 0.250$  inches per minute. The maximum load carried by the stabilizing rod specimen at time of failure shall be recorded.

3.7.5 Acceptance criteria. The lot shall be rejected if the average of the recorded minimum shear load of the three sample sections of any stabilizing rod is less than the specified requirements of section 3.2.1 of WS 33732.

3.8 Twist test. Ten stabilizing rods, which have passed the thermal-shock test, shall be inspected for the twist requirements specified in section 3.2.3 of WS 33732.

3.8.1 Acceptance criteria. The lot shall be rejected if the twist of any stabilizing rod is greater than the specified requirement of section 3.2.3 WS 33732.

#### **4.0 QUALITY ASSURANCE:**

##### **4.1 Responsibility for Inspections:**

Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the contractor may utilize his own facilities or any commercial laboratory acceptable to the government. The government reserves the right to perform any of the inspections set forth in the specifications or drawings. The test procedures called out in the drawings or this statement of work are the standards by which all tests and inspection shall be performed.

##### **4.2 Government Inspection of Facilities**

The Government, through any authorized representative, may inspect the plant or plants of the contractor or of any subcontractors engaged in the performance of this contract.

If any examination or test is made by the Government on the premises of the contractor or a subcontractor, the contractor shall provide and require subcontractors to provide all reasonable facilities and assistance for the safety and convenience of the Government inspectors in the performance of their duties. All examinations and tests by the Government shall be performed in such a manner as will not unduly delay work.

Preliminary inspection and acceptance of first article and production quantities may be made by an authorized representative of the Contracting Officer at the contractor's plant prior to shipment. Final inspection and acceptance shall be made at the destination.

**5.0 PRODUCTION:****5.1 Material Lot Acceptance**

All new lots of material shall be subjected to the pre-manufacturing testing called out in Section 4.1. The responsibility for this testing falls under that of the contractors.

**5.2 Lot Identification**

The stabilizing rod assemblies shall be labeled with the markings designated in Note 5 of Drawing 318AS240. The markings shall be in accordance with MIL-STD-130K.

**5.3 Lot Size**

The stabilizing rod assembly lot size shall meet the requirements of Section 4.2.1 of WS 33732.

**HQ C-1-0001 - DATA REQUIREMENTS (NAVSEA) (SEP 1992)**

The data to be furnished hereunder shall be prepared in accordance with the Contract Data Requirements List, DD Form 1423, **Attached hereto**.

**HQ C-2-0008 - ASSIGNMENT AND USE OF NATIONAL STOCK NUMBERS (NAVSEA) (MAY 1993)**

To the extent that National Stock Numbers (NSNs) or preliminary NSNs are assigned by the Government for the identification of parts, pieces, items, subassemblies or assemblies to be furnished under this contract, the Contractor shall use such NSNs or preliminary NSNs in the preparation of provisioning lists, package labels, packing lists, shipping containers and shipping documents as required by applicable specifications, standards or Data item Descriptions of the contract or as required by orders for spare and repair parts. The cognizant Government Contract Administration Office shall be responsible for providing the Contractor such NSNs or preliminary NSNs which may be assigned and which are not already in possession of the Contractor.

**HQ C-2-0027 - FIRST ARTICLE (GOVERNMENT TESTING) (NAVSEA) (SEP 1990)**

(a) For the purpose of this contract, the "First Article" is synonymous with the terms "preproduction model(s)" and "preproduction equipment".

(b) The production equipment shall be manufactured with tools, materials and methods which are the same as, or representative of the tools, material and methods which were used to manufacture the First Article. The First Article shall not be delivered for first article approval tests as provided for in the clause of this contract entitled "FIRST ARTICLE APPROVAL--GOVERNMENT TESTING" (FAR 52.209-4) until after the Contractor has fully tested it, at its expense, to determine compliance with said requirements and it has been preliminarily accepted by the Contract Administration Office. The Contractor shall make a record of all data obtained during such tests in such form as is consonant with good engineering practice and furnish five (5) copies thereof. The cover sheet of each copy of this record shall be marked with this contract number and the item identification. One (1) copy shall be furnished to the Contract Administration Office at the time of inspection for preliminary acceptance, one (1) copy shall accompany the First Article on delivery thereof, and three (3) copies shall be furnished to the Naval Sea Systems Command and the time of First Article delivery.

(c) Pursuant to paragraph (e) of the clause entitled "FIRST ARTICLE APPROVAL--GOVERNMENT TESTING", the First Article shall not be delivered as part of the production quantity.

**HQ C-2-0062 - WAIVER OF FIRST ARTICLE REQUIREMENTS (NAVSEA) (SEP 1990)**

If the First Article is waived by the Government, the Contractor shall deliver supplies that are identical or substantially identical to those previously accepted by the Government under the following contract(s):

Contract(s) \_\_\_\_\_  
\_\_\_\_\_

(Offeror to fill in contract number(s), as applicable. See Section M)

## SECTION D Packaging and Marking

## CLAUSES INCORPORATED BY FULL TEXT

**HQ D-1-0004 - PACKAGING LANGUAGE (W/OTHER THAN MIL-E-17555 REQUIREMENT) (NAVSEA)**

For Level A packaging and Level A and Level B packing, use of polystyrene "loose-fill" material is prohibited for packaging and packing applications such as cushioning, filler, dunnage, etc.

For Level C packaging and packing and if specifications stated "Domestic shipment and early equipment installation of onboard repair parts", unless approved by the procuring activity (see 6.2 of the packaging specification), use of polystyrene "loose-fill" material for packaging and packing applications such as cushioning, filler, dunnage, etc. is prohibited. When approved, unit packages and containers (interior and exterior) shall be marked or labeled as follows:

Contents cushioned, etc. with polystyrene "loose-fill" material. Not to be taken aboard ship. Remove and discard "loose-fill" before shipboard storage. If required, recushion, etc., with cellulosic material, bound fiber, fiberboard, transparent flexible cellular material, etc.

In Section 6, "Ordering Data" add "when polystyrene 'loose-fill' material is approved".

**HQ D-2-0004 - IDENTIFICATION MARKING OF PARTS (NAVSEA) (NOV 1996)**

Identification marking of individual parts within the systems, equipments, assemblies, subassemblies, components, groups, sets or kits, and of spare and repair parts shall be done in accordance with applicable specifications and drawings. To the extent identification marking of such parts is not specified in applicable specifications or drawings, such marking shall be accomplished in accordance with the following:

- (1) Parts shall be marked in accordance with generally accepted commercial practice.
- (2) In cases where parts are so small as not to permit identification marking as provided above, such parts shall be appropriately coded so as to permit ready identification.

**HQ D-2-0006 - MARKING AND PACKING LIST(S) (NAVSEA) (NOV 1996)**

(a) Marking. Shipments, shipping containers and palletized unit loads shall be marked in accordance with best commercial practice.

(b) Packing List(s). A packing list (DD Form 250 Material Inspection and Receiving Report may be used) identifying the contents of each shipment, shipping container or palletized unit load shall be provided by the Contractor with each shipment. When a contract line item identified under a single stock number includes an assortment of related items such as kit or set components, detached parts or accessories, installation hardware or material, the packing list(s) shall identify the assorted items.

Where assortment of related items is included in the shipping container, a packing list identifying the contents shall be furnished.

(c) Master Packing List. In addition to the requirements in paragraph (b) above, a master packing list shall be prepared where more than one shipment, shipping container or palletized unit load comprise the contract line item being shipped. The master packing list shall be attached to the number one container and so identified.

(d) Part Identification. All items within the kit, set, installation hardware or material shall be suitably segregated and identified within the unit pack(s) or shipping container by part number and/or national stock number.

**IHD 31 - MARKING OF SHIPMENTS (COMMERCIALY PACKAGED ITEMS)(NAVSEA/IHD) FEB 2000**

(a) Marking shall be in accordance with ASTM D 3951-90, "Commercial Packaging of Supplies and Equipment."

(b) Additional markings are stated below:

Contract No: **N00174-03-C-**

Bldg: **526**

Code: **2310P**

\*Note: When the item is over 1000 lbs the contractor is to stencil the weight on the crate



## SECTION E Inspection and Acceptance

**INSPECTION AND ACCEPTANCE TERMS**

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
ALL	Source	Government	Source	Government

## CLAUSES INCORPORATED BY REFERENCE:

<b>52.246-2</b>	Inspection Of Supplies--Fixed Price	AUG 1996
<b>52.246-16</b>	Responsibility For Supplies	APR 1984
<b>252.246-7000</b>	Material Inspection And Receiving Report	MAR 2003

## CLAUSES INCORPORATED BY FULL TEXT

**52.246-11 HIGHER-LEVEL CONTRACT QUALITY (FEB 1999)**

The Contractor shall comply with the higher-level quality standard selected below.  
**ISO 9000 OR EQUIVALENT**

**HQ E-1-0001 - INSPECTION AND ACCEPTANCE LANGUAGE FOR DATA**

Inspection and acceptance of all data shall be as specified on the attached Contract Data Requirements List(s), DD Form 1423.

**HQ E-1-0004 - INSPECTION AND ACCEPTANCE LANGUAGE FOR F.O.B. ORIGIN (NAVSEA)**

**ALL** Item(s) \_ - Inspection and acceptance shall be made at source by a representative of the cognizant Contract Administration Office.

**IHD 46 - SAMPLING OF RECEIVED MATERIAL - MAN-RATED MATERIAL (NAVSEA/IHD) FEB 2000**

(a) When the Indian Head Division, Naval Sea Systems Command, Indian Head, Md. receipt inspects man-rated material under this contract for rockets, catapults, cartridge actuated devices and their component parts, the following sampling procedures will be used in accordance with:

MIL-STD-105D - Level II with:

AQL of .040 for criticals

AQL of 1.00 for majors

AQL of 2.50 for minors

(b) In all cases the acceptance number will be ZERO (0), the lot will be rejected for any defect.

(c) Notwithstanding the above, the Indian Head Division, Naval Sea Systems Command, Indian Head, Md. may, at its discretion, accept a defect on a waiver on a case-by-case basis.

**IHD 47 - INSPECTION AND ACCEPTANCE TIMEFRAME (NAVSEA/IHD) FEB 2000**

Inspection and acceptance of supplies to be furnished under this contract shall be made by the Government within **45** days after receipt of material. Payment will be tendered not later than 30 days after acceptance has occurred.

**IHD 49 - INSPECTION AND ACCEPTANCE (DESTINATION) (NAVSEA/IHD) (FEB 2000)**

Inspection and acceptance of the supplies or services to be furnished hereunder shall be made at destination by the receiving activity.

## SECTION F Deliveries or Performance

## CLAUSES INCORPORATED BY REFERENCE:

<b>52.211-17</b>	Delivery of Excess Quantities	SEP 1989
<b>52.242-15</b>	Stop-Work Order	AUG 1989
<b>52.242-17</b>	Government Delay Of Work	APR 1984
<b>52.247-34</b>	F.O.B. Destination	NOV 1991

## CLAUSES INCORPORATED BY FULL TEXT

**52.211-8 TIME OF DELIVERY (JUN 1997)**

(a) The Government requires delivery to be made according to the following schedule:

## DELIVERY INFORMATION

CLINS	DELIVERY DATE	UNIT OF ISSUE	QUANTITY	FOB	SHIP TO ADDRESS
0001	60 DAYS AFTER DATE OF CONTRACT	Assembly	75	Dest.	N00174 NAVSEA INDIAN HEAD RECEIVING RECEIVING OFFICER BLDG 116 101 STRAUSS AVE. INDIAN HEAD MD 20640-5035 <b>ATTN: GLORIA PANNING</b> <b>CODE: 2310P</b>
0002	60 DAYS AFTER DATE OF CONTRACT	Each	75	Dest.	Same as CLIN 0001
000201					Same as CLIN 0001
000202					Same as CLIN 0001
000203					Same as CLIN 0001
000204					Same as CLIN 0001
000205					Same as CLIN 0001
000206					Same as CLIN 0001
000207					Same as CLIN 0001
000208					Same as CLIN 0001
000209					Same as CLIN 0001
0003	500 EACH 30 DAYS AFTER ACCEPTANCE OF 1 <sup>ST</sup> ARTICLE WITH 500 EACH EVERY 30 DAYS THEREAFTER UNTIL TOTAL QUANTITY IS RECEIVED	Assembly	3,765	Dest.	Same as CLIN 0001
0004	500 EACH 30 DAYS AFTER EXERCISE OF OPTION WITH 500 EACH EVERY 30 DAYS THEREAFTER UNTIL TOTAL QUANTITY IS	Assembly	AS SPECIFIED WHEN EXERCISE OF OPTION	Dest.	Same as CLIN 0001

	RECEIVED				
0005	SAME AS ITEM 0004	Assembly	SAME AS ITEM 0004	Dest.	Same as CLIN 0001
0006	SAME AS ITEM 0004	Assembly	SAME AS ITEM 0004	Dest.	Same as CLIN 0001
0007	SAME AS ITEM 0004	Assembly	SAME AS ITEM 0004	Dest.	Same as CLIN 0001

OFFEROR'S PROPOSED DELIVERY SCHEDULE		
ITEM NO.	QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (1) five calendar days for delivery of the award through the ordinary mails, or (2) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

**IHD 61 - PLACE OF DELIVERY: DESTINATION (NAVSEA/IHD) FEB 2000**

(a) The articles to be furnished hereunder shall be delivered all transportation charges paid by the contractor to:

Receiving Officer  
Indian Head Division  
Naval Sea Systems Command  
101 Strauss Avenue  
Indian Head, Maryland 20640-5035

(b) Bids submitted on a basis other than F.O.B. Destination will be rejected as non-responsive and proposals may be deemed unacceptable.

## SECTION G Contract Administration Data

## CLAUSES INCORPORATED BY FULL TEXT

**252.242-7000 POSTAWARD CONFERENCE (DEC 1991)**

The Contractor agrees to attend any postaward conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation subpart 42.5.

**NAPS 5252.232-9000 SUBMISSION OF INVOICES (FIXED PRICE) (JUL 1992)**

(a) "Invoice" as used in this clause does not include contractor requests for progress payments.

(b) The contractor shall submit original invoices with copies to the address identified in the- solicitation/ contract award form (SF 26-Block 10; SF 33-Block 23; SF 1447-Block 14), unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order (DD 1155-Block 13 or SF 26-Block 10).

(c) The use of copies of the Material Inspection and Receiving Report (MIRR), DD Form 250, as an invoice is encouraged. DFARS Appendix F-306 provides instructions for such use. Copies of the MIRR used as an invoice are in addition to the standard distribution stated in DFARS F-401.

(d) In addition to the requirements of the Prompt Payment clause of this contract, the contractor shall cite on each invoice the contract line item number (CLIN); the contract subline item number (SLIN), if applicable; the accounting classification reference number (ACRN) as identified on the financial accounting data sheets, and the payment terms.

(e) The contractor shall prepare:

- ☐ a separate invoice for each activity designated to receive the supplies or services.
- ☐ a consolidated invoice covering all shipments delivered under an individual order.
- ☒ either of the above.

(f) If acceptance is at origin, the contractor shall submit the MIRR or other acceptance verification directly to the designated payment office. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office.

## INVOICE MAILING INSTRUCTIONS

<b>MAIL INVOICES TO:</b>	<b>NAVSEA INDIAN HEAD DIVISION COMPTROLLER DEPARTMENT, CODE 021 ACCOUNTING AND FINANCE DIVISION, BUILDING 1601 101 STRAUSS AVENUE INDIAN HEAD, MD. 20640-5035</b>
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**NOTE:** It is extremely important that your invoice be mailed to the address cited above. **FAILURE TO DO SO WILL RESULT IN A DELAY OF YOUR PAYMENT.** Informational copies of the invoice may be mailed to the contract administrator and/or the technical point of contact; however, the official invoice must be mailed to the Indian Head Comptroller Department.

**HQ G-2-0003 - CONTRACT ADMINISTRATION DATA LANGUAGE (NAVSEA)****(a) Electronic Funds Transfer (EFT) Payment Requirements**

FAR 52.232-33, MANDATORY INFORMATION FOR ELECTRONIC FUNDS TRANSFER PAYMENT, is included in this solicitation/contract. All Contractor payments will be made by EFT unless excepted or otherwise determined by the paying office designated in the contract.

The Contractor must initiate enrollment in EFT by contacting the paying office designated in the contract and requesting form SF 3881, Automated Clearing House (ACH) Vendor/Miscellaneous Payment Enrollment Plan. This form must be completed by the Contractor and their financial institution and returned to the paying office. The paying office will complete the process and notify the Contractor that EFT enrollment is complete. All payments under this contract will be held until the Contractor provides the required EFT enrollment information.

(b) Enter below the address (street and number, city, county, state and zip code) of the Contractor's facility which will administer the contract if such address is different from the address shown on the SF 26 or SF 33, as applicable.

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**IHD 6 CONTRACT POINTS OF CONTACT (NAVSEA/IHD)**

The following contacts are provided for this contract:

Contract Administrator:  
Phone Number: (301)744-

Payments/Invoicing:  
Phone Number: (301)744-

Technical Representative:  
Phone Number: (301)744-

Any concerns regarding your contract, should be directed to the above mentioned personnel, or the Contracting Officer  
\_\_\_\_\_ at (301) 744- .

**IHD 76 - INDIAN HEAD DIVISION, NAVAL SEA SYSTEMS COMMAND, HOURS OF OPERATION AND HOLIDAY SCHEDULE (NAVSEA/IHD) FEB 2000**

1. The policy of this station is to schedule periods of reduced operations or shutdown during holiday periods. Deliveries will not be accepted on Saturdays, Sundays or Holidays except as specifically requested by the Naval Sea Systems Command. All goods or services attempted to be delivered on a Saturday, Sunday or Holiday without specific instructions from the Contracting Officer or his duly appointed representative will be returned to the contractor at his expense with no cost or liability to the U.S. Government.

2. The scheduled holidays for Indian Head Division, Naval Sea Systems Command are:

<b><u>HOLIDAY</u></b>	<b><u>DATE OF OBSERVANCE</u></b>
New Year's Day	01 January (Tuesday)*
Martin Luther King's Birthday	21 January (Monday)*
President's Day	18 February (Monday)*
Memorial Day	28 May (Monday)*
Independence Day	4 July (Wednesday)*
Labor Day	3 September (Monday)*
Columbus Day	15 October (Monday)*
Veteran's Day	12 November (Monday)*
Thanksgiving Day	22 November (Thursday)*
Christmas Day	25 December (Tuesday)*

\* If the actual date falls on a Saturday, the holiday will be observed the preceding Friday. If the holiday falls on a Sunday, the observance shall be on the following Monday.

3. The hours of operation for the Contracts Division and Receiving Branch are as follows:

<b><u>AREA</u></b>	<b><u>FROM</u></b>	<b><u>TO</u></b>
Contracts Division (BLDG. 1558)	7:30 A.M.	4:00 P.M.
Receiving Branch (BLDG. 116)	7:30 A.M.	11:00 A.M.
	12:30 P.M.	2:00 P.M.

If you intend to visit the Contracts Division, it is advised that you call for an appointment at least 24 hours in advance.



**IHD 89 - CERTIFICATE OF COMPLIANCE (NAVSEA/IHD) FEB 2000**

(a) A certification of material shall be provided by the Contractor, one (1) copy to accompany the shipment (in the packing list envelope) and (1) copy mailed to arrive at time of receipt of the shipment. Mark all certificates to the attention of **Code 2310P**.

(b) The certificate shall state compliance of material with drawing specification and contract/order requirements. The certificate shall as a minimum state the company name, contract/order number, drawing or specification number, and date. The certificate shall state, above the signature of a legally authorized representative of the company, the following:

This certification concerns a matter within the jurisdiction of an agency of the United States and making a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code 1001.

(c) Failure to provide certification at the time of shipment may result in material being rejected and returned at the contractor's expense.

## SECTION H Special Contract Requirements

## CLAUSES INCORPORATED BY REFERENCE:

**5252.202-9101** NAVSEA 5252.202-9101 ADDITIONAL DEFINITIONS (MAY JUL 2002 1993)

## CLAUSES INCORPORATED BY FULL TEXT

**5252.227-9113 GOVERNMENT-INDUSTRY DATA EXCHANGE PROGRAM (AUG 1997)**

(a) The Contractor shall participate in the appropriate interchange of the Government-Industry Data Exchange Program (GIDEP) in accordance with NAVSEA S0300-BU-GYD-010 dated November 1994. Data entered is retained by the program and provided to qualified participants. Compliance with this requirement shall not relieve the Contractor from complying with any other requirement of the contract.

(b) The Contractor agrees to insert paragraph (a) of this requirement in any subcontract hereunder exceeding \$500,000.00. When so inserted, the word "Contractor" shall be changed to "Subcontractor".

(c) GIDEP materials, software and information are available without charge from:

GIDEP Operations Center  
P.O. Box 8000  
Corona, CA 91718-8000

Phone: (909) 273-4677 or DSN 933-4677  
FAX: (909) 273-5200  
Internet: <http://www.gidep.corona.navy.mil>

At Login type GIDEP; press enter  
At Password press enter

**IHD 113 - NOTICE OF INCORPORATION OF SECTIONS K, L, AND M (NAVSEA/IHD) FEB 2000**

The following sections of the solicitation will not be distributed with the contract; however, they are incorporated in and form a part of the resultant contract as though furnished in full text therewith:

SECTION	TITLE
K	Representations, Certifications and Other Statements of Offerors (Bidders)
L	Instructions, Conditions, and Notices to Offerors (Bidders)
M	Evaluation Factors for Award

## SECTION I Contract Clauses

## CLAUSES INCORPORATED BY REFERENCE:

<b>52.202-1</b>	Definitions	DEC 2001
<b>52.203-3</b>	Gratuities	APR 1984
<b>52.203-5</b>	Covenant Against Contingent Fees	APR 1984
<b>52.203-6</b>	Restrictions On Subcontractor Sales To The Government	JUL 1995
<b>52.203-7</b>	Anti-Kickback Procedures	JUL 1995
<b>52.203-8</b>	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
<b>52.203-10</b>	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
<b>52.203-12</b>	Limitation On Payments To Influence Certain Federal Transactions	JUN 1997
<b>52.204-4</b>	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
<b>52.208-9</b>	Contractor Use of Mandatory Sources of Supply or Services	FEB 2002
<b>52.209-6</b>	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
<b>52.211-5</b>	Material Requirements	AUG 2000
<b>52.211-15</b>	Defense Priority And Allocation Requirements	SEP 1990
<b>52.215-2</b>	Audit and Records--Negotiation	JUN 1999
<b>52.215-8</b>	Order of Precedence--Uniform Contract Format	OCT 1997
<b>52.215-14</b>	Integrity of Unit Prices	OCT 1997
<b>52.215-21</b>	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications	OCT 1997
<b>52.219-6</b>	Notice Of Total Small Business Set-Aside	JUL 1996
<b>52.219-8</b>	Utilization of Small Business Concerns	OCT 2000
<b>52.219-14</b>	Limitations On Subcontracting	DEC 1996
<b>52.222-3</b>	Convict Labor	AUG 1996
<b>52.222-20</b>	Walsh-Healy Public Contracts Act	DEC 1996
<b>52.222-21</b>	Prohibition Of Segregated Facilities	FEB 1999
<b>52.222-26</b>	Equal Opportunity	APR 2002
<b>52.222-35</b>	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era and Other Eligible Veterans	DEC 2001
<b>52.222-36</b>	Affirmative Action For Workers With Disabilities	JUN 1998
<b>52.222-37</b>	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
<b>52.223-6</b>	Drug Free Workplace	MAY 2001
<b>52.223-11</b>	Ozone-Depleting Substances	MAY 2001
<b>52.223-14</b>	Toxic Chemical Release Reporting	OCT 2000
<b>52.225-8</b>	Duty-Free Entry	FEB 2000
<b>52.225-13</b>	Restrictions on Certain Foreign Purchases	JUL 2000
<b>52.226-1</b>	Utilization Of Indian Organizations And Indian-Owned Economic Enterprises	JUN 2000
<b>52.227-1</b>	Authorization and Consent	JUL 1995
<b>52.227-2</b>	Notice And Assistance Regarding Patent And Copyright Infringement	AUG 1996
<b>52.229-3</b>	Federal, State And Local Taxes	APR 2003
<b>52.232-1</b>	Payments	APR 1984
<b>52.232-8</b>	Discounts For Prompt Payment	FEB 2002
<b>52.232-9</b>	Limitation On Withholding Of Payments	APR 1984
<b>52.232-11</b>	Extras	APR 1984
<b>52.232-16 Alt I</b>	Progress Payments (Apr 2003) - Alternate I	MAR 2000

<b>52.232-17</b>	Interest	JUN 1996
<b>52.232-23</b>	Assignment Of Claims	JAN 1986
<b>52.232-25</b>	Prompt Payment	FEB 2002
<b>52.232-33</b>	Payment by Electronic Funds Transfer--Central Contractor Registration	MAY 1999
<b>52.233-1</b>	Disputes	JUL 2002
<b>52.233-1 Alt I</b>	Disputes (Jul 2002) - Alternate I	DEC 1991
<b>52.233-3</b>	Protest After Award	AUG 1996
<b>52.234-1</b>	Industrial Resources Developed Under Defense Production Act Title III	DEC 1994
<b>52.242-13</b>	Bankruptcy	JUL 1995
<b>52.246-23</b>	Limitation Of Liability	FEB 1997
<b>52.247-63</b>	Preference For U.S. Flag Air Carriers	JAN 1997
<b>52.249-2</b>	Termination For Convenience Of The Government (Fixed-Price)	SEP 1996
<b>52.249-8</b>	Default (Fixed-Price Supply & Service)	APR 1984
<b>52.251-1</b>	Government Supply Sources	APR 1984
<b>52.253-1</b>	Computer Generated Forms	JAN 1991
<b>252.203-7001</b>	Prohibition On Persons Convicted of Fraud or Other Defense-Contract-Related Felonies	MAR 1999
<b>252.204-7003</b>	Control Of Government Personnel Work Product	APR 1992
<b>252.204-7004</b>	Required Central Contractor Registration	NOV 2001
<b>252.205-7000</b>	Provisions Of Information To Cooperative Agreement Holders	DEC 1991
<b>252.209-7000</b>	Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate Range Nuclear Forces (INF) Treaty	NOV 1995
<b>252.209-7001</b>	Disclosure of Ownership or Control by the Government of a Terrorist Country	MAR 1998
<b>252.209-7004</b>	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
<b>252.223-7004</b>	Drug Free Work Force	SEP 1988
<b>252.225-7001</b>	Buy American Act And Balance Of Payments Program	APR 2003
<b>252.225-7002</b>	Qualifying Country Sources As Subcontractors	APR 2003
<b>252.225-7012</b>	Preference For Certain Domestic Commodities	FEB 2003
<b>252.225-7016</b>	Restriction On Acquisition Of Ball and Roller Bearings	APR 2003
<b>252.225-7025</b>	Restriction on Acquisition of Forgings	APR 2003
<b>252.225-7031</b>	Secondary Arab Boycott Of Israel	APR 2003
<b>252.232-7004</b>	DOD Progress Payment Rates	OCT 2001
<b>252.243-7001</b>	Pricing Of Contract Modifications	DEC 1991
<b>252.243-7002</b>	Requests for Equitable Adjustment	MAR 1998
<b>252.246-7000</b>	Material Inspection And Receiving Report	MAR 2003
<b>252.247-7023</b>	Transportation of Supplies by Sea	MAY 2002

## CLAUSES INCORPORATED BY FULL TEXT

**52.217-7 OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)**

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within **AS INDICATED BELOW**. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

**OPTION I      WITHIN 365 DAYS AFTER CONTRACT AWARD**  
**OPTION II     WITHIN 365 DAYS AFTER EXERCISE OF OPTION I**  
**OPTION III    WITHIN 365 DAYS AFTER EXERCISE OF OPTION II**  
**OPTION IV     WITHIN 365 DAYS AFTER EXERCISE OF OPTION III**

**52.222-19 CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES (SEP 2002)**

(a) Applicability. This clause does not apply to the extent that the Contractor is supplying end products mined, produced, or manufactured in--

(1) Canada, and the anticipated value of the acquisition is \$25,000 or more;

(2) Israel, and the anticipated value of the acquisition is \$50,000 or more;

(3) Mexico, and the anticipated value of the acquisition is \$56,190 or more; or

(4) Aruba, Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hong Kong, Iceland, Ireland, Italy, Japan, Korea, Liechtenstein, Luxembourg, Netherlands, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, or the United Kingdom and the anticipated value of the acquisition is \$169,000 or more.

(b) Cooperation with Authorities. To enforce the laws prohibiting the manufacture or importation of products mined, produced, or manufactured by forced or indentured child labor, authorized officials may need to conduct investigations to determine whether forced or indentured child labor was used to mine, produce, or manufacture any product furnished under this contract. If the solicitation includes the provision 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products, or the equivalent at 2.212-3(i), the Contractor agrees to cooperate fully with authorized officials of the contracting agency, the Department of the Treasury, or the Department of Justice by providing reasonable access to records, documents, persons, or premises upon reasonable request by the authorized officials.

(c) Violations. The Government may impose remedies set forth in paragraph (d) for the following violations:

(1) The Contractor has submitted a false certification regarding knowledge of the use of forced or indentured child labor for listed end products.

(2) The Contractor has failed to cooperate, if required, in accordance with paragraph (b) of this clause, with an investigation of the use of forced or indentured child labor by an Inspector General, Attorney General, or the Secretary of the Treasury.

(3) The Contractor uses forced or indentured child labor in its mining, production, or manufacturing processes.

(4) The Contractor has furnished under the contract end products or components that have been mined, produced, or manufactured wholly or in part by forced or indentured child labor. (The Government will not pursue remedies at

paragraph (d)(2) or paragraph (d)(3) of this clause unless sufficient evidence indicates that the Contractor knew of the violation.)

(d) Remedies. (1) The Contracting Officer may terminate the contract.

(2) The suspending official may suspend the Contractor in accordance with procedures in FAR Subpart 9.4.

(3) The debarring official may debar the Contractor for a period not to exceed 3 years in accordance with the procedures in FAR Subpart 9.4.

#### **52.243-1 CHANGES--FIXED-PRICE (AUG 1987)**

(a) The Contracting Officer may at any time, by written order, and without notice to the sureties, if any, make changes within the general scope of this contract in any one or more of the following:

(1) Drawings, designs, or specifications when the supplies to be furnished are to be specially manufactured for the Government in accordance with the drawings, designs, or specifications.

(2) Method of shipment or packing.

(3) Place of delivery.

(b) If any such change causes an increase or decrease in the cost of, or the time required for, performance of any part of the work under this contract, whether or not changed by the order, the Contracting Officer shall make an equitable adjustment in the contract price, the delivery schedule, or both, and shall modify the contract.

(c) The Contractor must assert its right to an adjustment under this clause within 30 days from the date of receipt of the written order. However, if the Contracting Officer decides that the facts justify it, the Contracting Officer may receive and act upon a proposal submitted before final payment of the contract.

(d) If the Contractor's proposal includes the cost of property made obsolete or excess by the change, the Contracting Officer shall have the right to prescribe the manner of the disposition of the property.

(e) Failure to agree to any adjustment shall be a dispute under the Disputes clause. However, nothing in this clause shall excuse the Contractor from proceeding with the contract as changed.

#### **52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/>

<http://www.acq.osd.mil/dp/dars/dfars/dfars.html>

**252.251-7000 ORDERING FROM GOVERNMENT SUPPLY SOURCES (OCT 2002)**

(a) When placing orders under Federal Supply Schedules, Personal Property Rehabilitation Price Schedules, or Enterprise Software Agreements, the Contractor shall follow the terms of the applicable schedule or agreement and authorization. Include in each order:

(1) A copy of the authorization (unless a copy was previously furnished to the Federal Supply Schedule, Personal Property Rehabilitation Price Schedule, or Enterprise Software Agreement contractor).

(2) The following statement: Any price reductions negotiated as part of an Enterprise Software Agreement issued under a Federal Supply Schedule contract shall control. In the event of any other inconsistencies between an Enterprise Software Agreement, established as a Federal Supply Schedule blanket purchase agreement, and the Federal Supply Schedule contract, the latter shall govern.

(3) The completed address(es) to which the Contractor's mail, freight, and billing documents are to be directed.

(b) When placing orders under nonmandatory schedule contracts and requirements contracts, issued by the General Services Administration (GSA) Office of Information Resources Management, for automated data processing equipment, software and maintenance, communications equipment and supplies, and teleprocessing services, the Contractor shall follow the terms of the applicable contract and the procedures in paragraph (a) of this clause.

(c) When placing orders for Government stock, the Contractor shall --

(1) Comply with the requirements of the Contracting Officer's authorization, using FEDSTRIP or MILSTRIP procedures, as appropriate;

(2) Use only the GSA Form 1948-A, Retail Services Shopping Plate, when ordering from GSA Self-Service Stores;

(3) Order only those items required in the performance of Government contracts; and

(4) Pay invoices from Government supply sources promptly. For purchases made from DoD supply sources, this means within 30 days of the date of a proper invoice (see also Defense Federal Acquisition Regulation Supplement (DFARS) 251.105). For purposes of computing interest for late Contractor payments, the Government's invoice is deemed to be a demand for payment in accordance with the Interest clause of this contract. The Contractor's failure to pay may also result in the DoD supply source refusing to honor the requisition (see DFARS 251.102(f)) or in the Contracting Officer terminating the Contractor's authorization to use DoD supply sources. In the event the Contracting Officer decides to terminate the authorization due to the Contractor's failure to pay in a timely manner, the Contracting Officer shall provide the Contractor with prompt written notice of the intent to terminate the authorization and the basis for such action. The Contractor shall have 10 days after receipt of the Government's notice in which to provide additional information as to why the authorization should not be terminated. The termination shall not provide the Contractor with an excusable delay for failure to perform or complete the contract in accordance with the terms of the contract, and the Contractor shall be solely responsible for any increased costs.

(d) Only the Contractor may request authorization for subcontractor use of Government supply sources. The Contracting Officer will not grant authorizations for subcontractor use without approval of the Contractor.

(e) Government invoices shall be submitted to the Contractor's billing address, and Contractor payments shall be sent to the Government remittance address specified below:

Contractor's Billing Address [include point of contact and telephone number]:

Government Remittance Address (include point of contact and telephone number ) :

SECTION J List of Documents, Exhibits and Other Attachments

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

1. Drawing #'s 318AS240, 1127692, 458234, 1127861, 458235, 1127754, 1127855, 1559681, 4902386, AND 318AS241.
2. First Article Test Plan is incorporated in the Statement of Work
3. CDRL's (Contract Data Requirements Lists) DD-1423's
4. DID's (Data Item Descriptions) DD-1664's
5. Past Performance Questionnaire Cover sheet
6. Past Performance Matrix
7. Past Performance Questionnaire Interview Sheet
8. Detailed Specification

**NOTE:** All of the above Attachments are located at the end of the solicitation in PDF Format.



## SECTION K Representations, Certifications and Other Statements of Offerors

## CLAUSES INCORPORATED BY REFERENCE:

<b>52.203-11</b>	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
<b>52.215-7</b>	Annual Representations and Certifications--Negotiation	OCT 1997

## CLAUSES INCORPORATED BY FULL TEXT

**52.203-2 CERTIFICATE OF INDEPENDENT PRICE DETERMINATION (APR 1985)**

(a) The offeror certifies that --

(1) The prices in this offer have been arrived at independently, without, for the purpose of restricting competition, any consultation, communication, or agreement with any other offeror or competitor relating to --

(i) Those prices,

(ii) The intention to submit an offer, or

(iii) The methods of factors used to calculate the prices offered:

(2) The prices in this offer have not been and will not be knowingly disclosed by the offeror, directly or indirectly, to any other offeror or competitor before bid opening (in the case of a sealed bid solicitation) or contract award (in the case of a negotiated solicitation) unless otherwise required by law; and

(3) No attempt has been made or will be made by the offeror to induce any other concern to submit or not to submit an offer for the purpose of restricting competition.

(b) Each signature on the offer is considered to be a certification by the signatory that the signatory --

(1) Is the person in the offeror's organization responsible for determining the prices offered in this bid or proposal, and that the signatory has not participated and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision; or

(2) (i) Has been authorized, in writing, to act as agent for the following principals in certifying that those principals have not participated, and will not participate in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision \_\_\_\_\_ (insert full name of person(s) in the offeror's organization responsible for determining the prices offered in this bid or proposal, and the title of his or her position in the offeror's organization);

(ii) As an authorized agent, does certify that the principals named in subdivision (b)(2)(i) above have not participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) above; and

(iii) As an agent, has not personally participated, and will not participate, in any action contrary to subparagraphs (a)(1) through (a)(3) of this provision.

(c) If the offeror deletes or modifies subparagraph (a)(2) of this provision, the offeror must furnish with its offer a signed statement setting forth in detail the circumstances of the disclosure.

**52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)****(a) Definitions.**

Common parent, as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

Taxpayer Identification Number (TIN), as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the payment reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 U.S.C. 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

**(d) Taxpayer Identification Number (TIN).**

\_\_\_ TIN:-----

\_\_\_ TIN has been applied for.

\_\_\_ TIN is not required because:

\_\_\_ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;

\_\_\_ Offeror is an agency or instrumentality of a foreign government;

\_\_\_ Offeror is an agency or instrumentality of the Federal Government.

**(e) Type of organization.**

\_\_\_ Sole proprietorship;

\_\_\_ Partnership;

\_\_\_ Corporate entity (not tax-exempt);

\_\_\_ Corporate entity (tax-exempt);

\_\_\_ Government entity (Federal, State, or local);

\_\_\_ Foreign government;

\_\_\_ International organization per 26 CFR 1.6049-4;

\_\_\_ Other-----

(f) Common parent.

\_\_\_ Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.

\_\_\_ Name and TIN of common parent:

Name-----

TIN-----

#### **52.204-5 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) (MAY 1999)**

(a) Definition. Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representations, of this solicitation.] The offeror represents that it ( ) is a women-owned business concern.

#### **52.207-4 ECONOMIC PURCHASE QUANTITY--SUPPLIES (AUG 1987)**

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

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Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS			
PRICE			
ITEM	QUANTITY	QUOTATION	TOTAL

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(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Government's requirements indicate that different quantities should be acquired.

**52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)**

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

(A) Are ( ) are not ( ) presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have ( ) have not ( ), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are ( ) are not ( ) presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

(ii) The Offeror has ( ) has not ( ), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

**52.215-6 PLACE OF PERFORMANCE (OCT 1997)**

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, ( ) intends, ( ) does not intend [check applicable block] to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks “intends” in paragraph (a) of this provision, it shall insert in the following spaces the required information:

**Place of Performance(Street Address, City, State,  
County, Zip Code)**

**Name and Address of Owner and Operator of the  
Plant or Facility if Other Than Offeror or  
Respondent**

**52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (APR 2002)**

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is **336415**

(2) The small business size standard is **1000**.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it ( ) is, ( ) is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it ( ) is, ( ) is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it ( ) is, ( ) is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It ( ) is, ( ) is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It ( ) is, ( ) is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business

concern or concerns that are participating in the joint venture: \_\_\_\_\_.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

**52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)**

The offeror represents that --

- (a) ☐ It has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;
- (b) ☐ It has, ☐ has not, filed all required compliance reports; and
- (c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

**52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)**

The offeror represents that

- (a) ☐ it has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or
- (b) ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

**52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (OCT 2000)**

(a) Submission of this certification is a prerequisite for making or entering into this contract imposed by Executive Order 12969, August 8, 1995.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

☐ (i) The facility does not manufacture, process or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);

☐ (ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

[ ] (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

[ ] (iv) The facility does not fall within Standard Industrial Classification Code (SIC) major groups 20 through 39 or their corresponding North American Industry Classification System (NAICS) sectors 31 through 33; or

[ ] (v) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

**252.209-7001 DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY (MAR 1998)**

(a) "Definitions."

As used in this provision --

(a) "Government of a terrorist country" includes the state and the government of a terrorist country, as well as any political subdivision, agency, or instrumentality thereof.

(2) "Terrorist country" means a country determined by the Secretary of State, under section 6(j)(1)(A) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(i)(A)), to be a country the government of which has repeatedly provided support for such acts of international terrorism. As of the date of this provision, terrorist countries include: Cuba, Iran, Iraq, Libya, North Korea, Sudan, and Syria.

(3) "Significant interest" means --

(i) Ownership of or beneficial interest in 5 percent or more of the firm's or subsidiary's securities. Beneficial interest includes holding 5 percent or more of any class of the firm's securities in "nominee shares," "street names," or some other method of holding securities that does not disclose the beneficial owner;

(ii) Holding a management position in the firm, such as a director or officer;

(iii) Ability to control or influence the election, appointment, or tenure of directors or officers in the firm;

(iv) Ownership of 10 percent or more of the assets of a firm such as equipment, buildings, real estate, or other tangible assets of the firm; or

(v) Holding 50 percent or more of the indebtedness of a firm.

(b) "Prohibition on award."

In accordance with 10 U.S.C. 2327, no contract may be awarded to a firm or a subsidiary of a firm if the government of a terrorist country has a significant interest in the firm or subsidiary or, in the case of a subsidiary, the firm that owns the subsidiary, unless a waiver is granted by the Secretary of Defense.

(c) "Disclosure."

If the government of a terrorist country has a significant interest in the Offeror or a subsidiary of the Offeror, the Offeror shall disclose such interest in an attachment to its offer. If the Offeror is a subsidiary, it shall also disclose any significant interest the government of a terrorist country has in any firm that owns or controls the subsidiary. The disclosure shall include --

(1) Identification of each government holding a significant interest; and



(2) A description of the significant interest held by each government.

**252.225-7000 BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM CERTIFICATE (APR 2003)**

(a) Definitions. Domestic end product, foreign end product, qualifying country, and qualifying country end product have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government--

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--

(i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

-----  
(Line Item Number Country of Origin)

-----  
(Country of Origin)

(3) The following end products are other foreign end products:

-----  
(Line Item Number)

-----  
(Country of Origin) (If known)

**252.227-7028 TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)**

The Offeror shall attach to its offer an identification of all documents or other media incorporating technical data or computer software it intends to deliver under this contract with other than unlimited rights that are identical or substantially similar to documents or other media that the Offeror has produced for, delivered to, or is obligated to deliver to the Government under any contract or subcontract. The attachment shall identify--

- (a) The contract number under which the data or software were produced;
- (b) The contract number under which, and the name and address of the organization to whom, the data or software were most recently delivered or will be delivered; and
- (c) Any limitations on the Government's rights to use or disclose the data or software, including, when applicable, identification of the earliest date the limitations expire.

## SECTION L Instructions, Conditions and Notices to Bidders

## CLAUSES INCORPORATED BY REFERENCE:

<b>52.204-6</b>	Data Universal Numbering System (DUNS) Number	JUN 1999
<b>52.214-34</b>	Submission Of Offers In The English Language	APR 1991
<b>52.214-35</b>	Submission Of Offers In U.S. Currency	APR 1991
<b>52.215-1</b>	Instructions to Offerors--Competitive Acquisition	MAY 2001
<b>52.226-1</b>	Utilization Of Indian Organizations And Indian-Owned Economic Enterprises	JUN 2000
<b>52.232-28</b>	Invitation to Propose Performance-Based Payments	MAR 2000
<b>252.204-7001</b>	Commercial And Government Entity (CAGE) Code Reporting	AUG 1999
<b>252.217-7026</b>	Identification of Sources of Supply	NOV 1995
<b>252.227-7017</b>	Identification and Assertion of Use, Release, or Disclosure Restrictions	JUN 1995

## CLAUSES INCORPORATED BY FULL TEXT

**52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)**

Any contract awarded as a result of this solicitation will be \_\_\_\_\_ DX rated order;   X   DO rated order certified for national defense use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation. [Contracting Officer check appropriate box.]

**52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997)**

(a) Exceptions from cost or pricing data. (1) In lieu of submitting cost or pricing data, offerors may submit a written request for exception by submitting the information described in the following subparagraphs. The Contracting Officer may require additional supporting information, but only to the extent necessary to determine whether an exception should be granted, and whether the price is fair and reasonable.

(i) Identification of the law or regulation establishing the price offered. If the price is controlled under law by periodic rulings, reviews, or similar actions of a governmental body, attach a copy of the controlling document, unless it was previously submitted to the contracting office.

(ii) Commercial item exception. For a commercial item exception, the offeror shall submit, at a minimum, information on prices at which the same item or similar items have previously been sold in the commercial market that is adequate for evaluating the reasonableness of the price for this acquisition. Such information may include--

(A) For catalog items, a copy of or identification of the catalog and its date, or the appropriate pages for the offered items, or a statement that the catalog is on file in the buying office to which the proposal is being submitted. Provide a copy or describe current discount policies and price lists (published or unpublished), e.g., wholesale, original equipment manufacturer, or reseller. Also explain the basis of each offered price and its relationship to the established catalog price, including how the proposed price relates to the price of recent sales in quantities similar to the proposed quantities;

(B) For market-priced items, the source and date or period of the market quotation or other basis for market price, the base amount, and applicable discounts. In addition, describe the nature of the market;

(C) For items included on an active Federal Supply Service Multiple Award Schedule contract, proof that an exception has been granted for the schedule item.

(2) The offeror grants the Contracting Officer or an authorized representative the right to examine, at any time before award, books, records, documents, or other directly pertinent records to verify any request for an exception under this provision, and the reasonableness of price. For items priced using catalog or market prices, or law or regulation, access does not extend to cost or profit information or other data relevant solely to the offeror's determination of the prices to be offered in the catalog or marketplace.

(b) Requirements for cost or pricing data. If the offeror is not granted an exception from the requirement to submit cost or pricing data, the following applies:

(1) The offeror shall prepare and submit cost or pricing data and supporting attachments in accordance with Table 15-2 of FAR 15.408.

As soon as practicable after agreement on price, but before contract award (except for unpriced actions such as letter contracts), the offeror shall submit a Certificate of Current Cost or Pricing Data, as prescribed by FAR 15.406-2.

#### **52.216-1 TYPE OF CONTRACT (APR 1984)**

The Government contemplates award of a **Firm Fixed Price Supply** contract resulting from this solicitation.

#### **52.233-2 SERVICE OF PROTEST (AUG 1996)**

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from **Ruth D. Adams, Contracting Officer, Code 1142, 101 Strauss Avenue, Indian Head, Md. 20640-5035**

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

#### **52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)**

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov>

#### **HQ L-2-0005 - NOTIFICATION OF POTENTIAL ORGANIZATIONAL CONFLICT(S) OF INTEREST (NAVSEA) (JUN 1994)**

(a) Offerors are reminded that certain existing contractual arrangements may preclude, restrict or limit participation, in whole or in part, as either a subcontractor or as a prime contractor under this competitive procurement. Of

primary concern are those contractual arrangements in which the Offeror provides support to **NAVSEA, Surface Warfare Center**, or related laboratories (if applicable), in support of operation of the office or any of its programs. General guidance may be found in FAR 9.505; however, this guidance is not all inclusive. The Offeror's attention is directed to the "Organizational Conflict of Interest" (or similar) requirement which may be contained in current or completed contract(s) which prohibits the prime or subcontractor from providing certain supplies or services to the Government as described above during the period of the current "support" contract(s) or for a period after completion of the "support" contract(s). Notwithstanding the existence or non-existence of an Organizational Conflict of Interest (OCI) clause or similar requirement in current or completed contract(s), the offeror shall comply with FAR 9.5 and identify whether an OCI exists and not rely solely on the presence of an OCI requirement.

(b) If a potential conflict of interest exists at any tier, each potential prime offeror is requested to notify the Contracting Officer within 14 days of the date of this solicitation. The Offeror shall provide: (1) the contract number and name and phone number of the Contracting Officer for the contract which gives rise to a potential organizational conflict of interest; (2) a copy of the requirement; (3) the statement of work (or technical instruction) from the existing contract; (4) a brief description of the type of work to be performed by each subcontractor under the competitive procurement; and (5) any additional information the Contracting Officer should consider in making a determination of whether a conflict of interest exists. The Government may independently verify the information received from the offeror. Notwithstanding the above, the Government reserves the right to determine whether a conflict of interest exists based on any information received from any source.

(c) The Government will notify an offeror of any conflict of interest within 14 days of receipt of all required information. Those offerors deemed to have a conflict of interest may be ineligible for award. Failure to provide the information in a timely manner does not waive the Government's rights to make a conflict of interest determination. The offeror is notified that if it expends time and money on proposal preparation, such expenditure is at its own risk that the Government will not determine that an organizational conflict of interest exists.

(d) Any potential prime contractor which proposes a subcontractor later determined to have a conflict of interest and deemed ineligible to participate in the current competition, may not be granted the opportunity to revise its proposal to remove the ineligible subcontractor. The Government reserves the right to determine which offerors remain in the competitive range through the normal source selection process.

(e) If the offeror determines that a potential organizational conflict of interest does not exist at any tier, the offeror shall include a statement to that effect in its response to this solicitation.

#### **HQ L-2-0009 - SMALL BUSINESS SUBCONTRACTING PLAN (NAVSEA) (JUN 1999)**

Offeror shall submit as part of its proposal a written proposed subcontracting plan in accordance with the clause entitled "SMALL BUSINESS SUBCONTRACTING PLAN" (FAR 52.219-9). The plan shall include the Congressionally mandated five percent (5%) goal for small disadvantaged business concerns or a detailed explanation as to why the goal cannot be included in the plan.

#### **HQ L-2-0010 - SUBSTITUTION OF PREVIOUSLY APPROVED SINGLE PROCESS INITIATIVE (NAVSEA) (MAY 1998)**

Your proposal shall identify where you are substituting your previously approved Single Process Initiative (SPI) processes for specified requirements. In addition, offerors shall provide the information required by DFARS 252.211-7005, paragraph (c).

**IHD 195 - SECTION L PROPOSAL REQUIREMENTS (FEB 2000) (NAVSEA/IHD)****THE OFFEROR SHALL PROVIDE THE FOLLOWING INFORMATION:**

**GENERAL INFORMATION:** Each offeror must submit an offer/proposal and other written information in strict accordance with these instructions. When evaluating an offeror the Government will consider how well the offeror complied with both the letter and spirit of these instructions. The government will consider any failure on the part of the offeror to comply with both the letter and the spirit of these instructions to be an indication of the type of conduct it can expect during contract performance. Therefore, the Government encourages offerors to contact the contracting officer by telephone, facsimile transmission, e-mail, or mail in order to request an explanation of any aspect of these instructions.

The offeror shall submit the following information:

1. Two (2) completed and signed solicitation packages, with all representations and certifications executed, and with prices in Section B.
2. Four (4) copies of the technical proposal, Volume I.
3. Two (2) copies of the past performance information, Volume II.
4. Two (2) copies of the cost/price proposal, Volume III.
5. One (1) copy of the Small Business Subcontracting Plan, Volume IV.

**OFFERORS SHALL ADDRESS THE FOLLOWING FACTORS:** (Listed in order of importance)

Information shall be submitted in three separate volumes or folders as detailed below.

**Volume 1: Technical Proposal**– Shall address Factors as detailed below. Not to exceed 20 single sided pages, not less than 10 pitch (Times New Roman or similar).

**1.0 Technical Experience**

- Identify the prime contractor and contractor's certification to all required quality specifications.
- Identify and explain the proposed method of manufacturing the stabilizing rod assembly, from how it will be formed and machined to dimensional inspection.
- Identify and explain the critical factors in the manufacturing process involved in making the item.
- Attach a detailed, proposed, Process Flow/Time Line for the extrusion and dimensional inspection portion of the stabilizing rod assembly.
- Identify any foreseeable problem areas in the development process that will effect schedule. Identify any plans to eliminate them.
- List process controls that the contractor will use to ensure that the end item is in accordance with the drawing requirements.

**VOLUME II Past Performance–** (Shall contain only the Past Performance Information not to exceed 12 pages total.)

Past performance is a measure of the degree to which an offeror, as an organization, has during the past three (3) years: (1) satisfied its customers, and (2) complies with federal, state, local laws and regulations. The offeror shall provide a list of references using the Past Performance Matrix, (Attachment 5), who will be able to provide information regarding the offerors past performance during the past three (3) years regarding; (1) customer satisfaction; (2) timeliness; (3) technical success; (4) program management; (5) and the quality of services.

The offeror will submit the Past Performance Interview Sheet (Attachment 7), to each of the references listed on the Past Performance Matrix, a minimum of three (3) is required. The offeror shall instruct the reference to complete the past performance Questionnaire and return it directly to :

Naval Surface Warfare Center  
101 Strauss Ave, BLDG 1558  
Indian Head, MD 20640-5035  
Attn: Patsy Kragh, Code 1142P

The offerors selected references must be listed on the Past Performance Matrix. Failure of the references to submit the Past Performance Questionnaire to the contract specialist by the **Closing Date of the Solicitation** may result in the inability of the Government to rank the offerors past performance.

The offeror shall explain, if any, the role that sub-contractors have played in contributing to the success and/or failures of the offeror and to what extent sub-contractor performance has contributed to the past performance evaluation.

**NOTE: PAST PERFORMANCE INFORMATIONAL & QUESTIONNAIRE SHEETS ARE ATTACHMENTS TO THE SOLICITATION, AS LISTED IN SECTION J.**

**VOLUME III Cost/Price–** (Shall contain only the cost/price information)

Although cost/price is the least important factor, it will not be ignored. The degree of its importance will increase with the degree of equality of the offers in relation to the other factors on which selection is to be made. Cost/price will be evaluated by the Contracts personnel to determine fair and reasonableness through the most appropriate method available.

This folder/binder shall contain (2) complete copies of the solicitation (the RFP) with all representations/certifications executed and pricing appropriately noted in Section B or any continuation sheets. Information should be submitted to clearly show the basis for the amount of each cost element and how the amount was developed providing sufficient information for government use in determining the proposed costs/prices fair and reasonable.

**VOLUME IV Small Business Subcontracting Plan– (This factor only applies to large businesses) No page limit.**

Large Business offerors shall submit a Small Business Subcontracting Plan, it should address all eleven items cited in FAR 52.219-9 (Oct 2000) (see also 252.219-7003 (April 1996)). The plan will not be subject to merit evaluation it will be pass/fail only. Offeror's subcontracting plan shall become part of any resultant contract.

The proposed Small Business Subcontracting Plan will be reviewed to ensure that the contractor meets or exceeds the minimum requirements set forth by the Navy. The Navy's subcontracting goals for this requirement are 23% of the effort for Small Businesses; 5% of the effort for Small Disadvantaged Businesses; 5% of the effort for Small Women-Owned Businesses; 3% of the effort for Service Disabled Veteran-Owned Businesses; and 3% of the effort for HUBZone Businesses. Offerors submitting Small Business Subcontracting Plans per FAR clause 52.219-9 "Small Business Subcontracting Plan" (Oct 2000) and DFARS clause 252.219-7003, "Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan (DOD Contracts)" (April 1996) which reflect a Small Disadvantaged Business (SDB) goal of less than five percent shall also provide, as a part of the subcontracting plan submission, those extenuating circumstances of why a five percent SDB goal cannot be proposed. Offerors should also note that submission of the Subcontracting Plan shall be concurrent with the submission of the Offeror's proposal.



## SECTION M Evaluation Factors for Award

## CLAUSES INCORPORATED BY FULL TEXT

**52.217-5 EVALUATION OF OPTIONS (JUL 1990)**

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

**HQ M-2-0006 - EVALUATION OF PREVIOUSLY APPROVED SINGLE PROCESS INITIATIVE (NAVSEA) (NOV 1996)**

Previously approved Single Process Initiative (SPI) processes will be evaluated under the source selection criteria of the RFP. If the successful offeror has previously approved SPI processes in the proposal, those SPI processes will be incorporated into the contract upon award.

**IHD 211 - SECTION M BEST VALUE EVALUATION AND BASIS FOR AWARD (FFP) (MAR 2000) (NAVSEA/IHD)**

I. The contract resulting from this solicitation will be awarded to that responsible offeror whose offer, conforming to the solicitation, is determined most advantageous to the Government price and other factors considered. The offeror's proposal shall be in the form prescribed by this solicitation and shall contain a response to each of the areas. Proposals will be evaluated and rated against the factors listed below, in descending order of importance:

- Technical Proposal
- Past Performance
- Cost/Price
- Small Business Subcontracting Plan

As technical proposals become more equal, past performance and price will become more significant factors. With respect to technical proposal, past performance and price, the Government is more interested in obtaining technical excellence and superior performance than lowest price. However, the Government will not pay a price premium that it considers disproportionate to the benefits associated with the proposed margin of technical excellence and superior performance. In determining best overall value, the Government will first assess an offeror on the basis of Technical proposal and then compare and rank offerors on the basis of past performance. Then the Government will compare the tradeoffs between relative margins of technical ranking, performance and price. The offer who represents the best value will be the offeror who represents the best tradeoff between technical excellence, superior performance and price.

**A. TECHNICAL PROPOSAL (In descending Order of Importance)****1. The following technical factors shall apply:**

- Technical Experience
- Subcontracting Plan

2. All proposals which are unrealistic in terms of technical capabilities will be deemed reflective of an inherent lack of technical competence or indicative of failure to comprehend the complexity and risks of the proposed contractual requirements and may render the offer ineligible for award.

3. An offeror is required to submit a technical proposal as detailed herein. Failure to do so may render an offer ineligible for award.

## B. PAST PERFORMANCE

1. The Government will evaluate the quality of the offeror's past performance. This evaluation is separate and distinct from the Contracting Officer's responsibility determination. The assessment of the offeror's past performance will be used to evaluate the relative capability of the offeror and their competitors to successfully meet the requirements of the RFP. Past performance of significant and/or critical subcontractors will be considered to the extent warranted by the subcontractor's involvement in the proposed effort.

2. The Government will evaluate the quality of the offeror's past performance. This may include any aspect of past performance that is related to this contract. A record of poor past performance may be considered an indication that the offeror may be lacking in areas such as reliability, quality and customer satisfaction. However, a record of average or exceptional past performance will not result in favorable assessment of an otherwise technically deficient technical proposal. In evaluating an offeror's past performance, the Government will consider information contained in the offeror's past performance references, information obtained from other sources, including past and present customers, subcontractors and any others who may have useful information, and other past performance data available to the Government. Offerors with no past performance history will receive a neutral rating.

a. The subfactors listed below (which are equal in importance) will be used to evaluate past performance:

- i. **Product Quality.** The offeror's demonstrated ability to conform to contract specification requirements.
- ii. **Reliability.** The offeror's demonstrated ability to conform to contract requirements.
- iii. **Timeliness.** The offeror's demonstrated ability to meet contract schedules and delivery dates.
- iv. **Customer Satisfaction.** The offeror's demonstrated commitment to maintaining an acceptable level of performance and customer satisfaction.
- v. **Program Management.** The offeror's ability to meet or exceed its subcontracting plans.

3. Contracting Officers will use the following adjectival definitions as guidelines in evaluating past performance:

**Excellent** - The offeror's performance was consistently superior. The contractual performance was accomplished with minor problems, to which corrective action taken by the contractor was highly effective.

**Good** - The offeror's performance was better than average. The contractual performance was accomplished with some minor problems, to which corrective actions taken by the contractor were effective. They would be willing to do business with the offeror again.

**Average**- The offeror's performance was adequate. The contractual performance reflects a problem, to which the contractor has not yet identified corrective actions. Consideration would take part in awarding a contract to the offeror again.

**Poor** - The offeror's performance was entirely inadequate. The contractual performance of the element being assessed contains problems, to which the contractor's corrective actions appear to be or were ineffective. They would not do business with the offeror again under any circumstances.

**Neutral** – Offerors lacking relevant past performance history will receive a neutral rating for past performance. The offeror must provide the information requested above for past performance evaluation or affirmatively state that it possesses no relevant directly related or similar past performance. An offer that fails to provide the past performance information or to assert that the company has no relevant directly related or similar past performance may be considered ineligible for award.

#### C. COST/PRICE

1. Although price is not the most important evaluation factor, it will not be ignored. The degree of its importance will increase with the degree of equality of the proposals in relation to the other factors on which selection is to be based.

#### D. SMALL BUSINESS SUBCONTRACTING PLAN

The subcontracting plan shall be evaluated separate and distinct from all other capability subfactors. It will be evaluated to insure the offeror has a plan that complies with the Navy's stated goals or that the offeror has provided an explanation as to why those goals cannot be met. The Contracting Officer may, pursuant to FAR 15.306, conduct exchanges of information with respect to subcontracting plan issues only and these exchanges of information shall not constitute discussions as defined in Part 15 of the FAR.

II. The Government may award a contract on the basis of initial offers received, without discussions. Therefore, each initial offer should contain the offeror's best terms from a cost/price, technical and past performance standpoint. However, if considered necessary by the contracting officer, discussions will be conducted only with those offerors determined to have a reasonable chance for award.

## METHODOLOGY

The offerors' submission in response to Factors 1, 2, and 3 shall be reviewed by the technical review team. Each factor shall be reviewed based on the merits of the information contained in the offerors' submission. The technical review team will not assume nor allow any prior knowledge of the offeror to affect the evaluation and the score of Factors 1, 2, and 3. Each factor shall be reviewed and assigned a score as follows:

Factor 1 – Management and Quality Assurance

Factor 2 – Technical Comprehension

Factor 3 – Facilities and Equipment

Factor 4 – Past Performance

Factor 5 – Cost/Price

Once all evaluations are complete the corresponding scores shall be tabulated and placed in a chart as follows in this example:

Offeror	1,2 Factor & 3 Score*	Past Performance Rating	Cost/Price
A	88	Excellent	\$130,000
B	93	Excellent	\$150,000
C	0 **	Good	\$102,000
D	82	Excellent	\$ 96,500
E	93	Poor	\$ 80,500

\* Not to exceed 100

\*\* Offeror did not comply with RFP instructions – was not evaluated

Once this information is tabulated, offerors will be compared making value and price tradeoffs and award will be made to the offeror that represents the Best Value to the Government. If the offeror with the highest scores also represents the lowest price then that offeror is clearly the Best Value. If an offeror with higher scores has a higher price, then a determination must be made whether the difference in value is worth the higher price. In the example the government may award to Offeror A, Offeror B (if it could be determined whether the difference in greater value is worth the difference in price when compared to Offeror A), or Offeror D. Offeror E, even though reflective of a high technical score would not be considered the best value based on the combination of scores received for the evaluation factors. Offeror C did not comply with the instructions as stated in the solicitation and therefore received a low technical score. As the technical evaluation is the most important factor the Government has determined that Offeror C does not represent the best value in regards to the evaluation factors.

CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.						
CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP                      TM                      OTHER X		
D. SYSTEM/ITEM Stabilizing Rod Assembly		E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM REQUEST FOR DEVIATION (RFD)			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640C		5. CONTRACT REFERENCE SOW 3.2.1		6. REQUIRING OFFICE NAVSURFWARCEN, CODE 2310		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION		
8. APP CODE N/A	N/A	11. AS OF DATE N/A	13. DATE SUBSEQUENT SUBMISS SEE BLK 16	a. ADDRESSEE                      FINAL Draft                      Reg                      Repo		
16. REMARKS  BLK 12 & 13: This data item (Request for Deviation) must be submitted when government approval of a deviation from the drawing, statement of work and/or contract is being sought. The government shall respond to the RFD within five business days of RFD receipt.  BLK 14a: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142						
				Code 1142                      1		
				Code 2310H                      1		
				Code 4120L                      1		
				15. Total                      3		
G. PREPARED BY  Bart Hutchinson, CODE 2310H		H. DATE  4-21-03	I. APPROVED BY		J. DATE	

17. Price Group
18. Estimated Total Price



CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188	
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CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP                      TM                      OTHER X		
D. SYSTEM/ITEM Stabilizing Rod Assembly		E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM FAILURE ANALYSIS AND CORRECTIVE ACTION REPORT			3. SUBTITLE DISCREPANCY REPORT		
4. AUTHORITY (Data Acquisition Document No.) DI-RELI-81315		5. CONTRACT REFERENCE SOW 3.2.3			6. REQUIRING OFFICE NAVSURFWARCEN, CODE 2310	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION	
8. APP CODE N/A	N/A	11. AS OF DATE N/A	13. DATE SUBSEQUENT SUBMISS SEE BLK 16		b. COPIES	
					a. ADDRESSEE                      FINAL	
					SEE BLOCK 16                      Draft                      Reg                      Repo	
16. REMARKS  BLK. 12 & 13: This data item (Discrepancy Report) must be submitted when a discrepancy to the requirements of the drawing, statement of work, contract and/or in-process inspection requirement has been identified and prior to continuing with manufacturing that would result in the continued production of the discrepancy. The government shall respond to the Discrepancy Report within five business days of discrepancy report receipt.  BLK 14a: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142						
					1142	
					2310H	
					4120L	
					15. Total	

G. PREPARED BY		H. DATE	I. APPROVED BY		J. DATE	
Bart Hutchinson, CODE 2310H		12/31/2002				

17. Price Group
18. Estimated Total Price



CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188		
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CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP                      TM                      OTHER X			
D. SYSTEM/ITEM Stabilizing Rod Assembly		E. CONTRACT/PR NO.		F. CONTRACTOR			
1. DATA ITEM NO. A003		2. TITLE OF DATA ITEM FIRST ARTICLE QUALIFICATION TEST PLAN		3. SUBTITLE FIRST ARTICLE TEST PLAN			
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-81307		5. CONTRACT REFERENCE SOW 3.2.5 AND SEE BLOCK 16		6. REQUIRING OFFICE NAVSURFWARCEN, CODE 2310			
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED		10. FREQUENCY OTIME		12. DATE OF FIRST SUBMISSION SEE BLOCK 16	
8. APP CODE A		11. AS OF DATE N/A		13. DATE SUBSEQUENT SUBMISS N/A		14. DISTRIBUTION	
						b. COPIES	
						a. ADDRESSEE	
						FINAL	
						Draft      Reg      Repo	
16. REMARKS  BLK. 5: The contractor is responsible for first article testing per the SOW paragraphs 3.3 through 3.8.1.  BLK. 8: The requiring office will submit a response within 5 business days after the receipt of the draft.  BLK. 12: This data item (First Article Test Plan) must be submitted to and approved by the requiring office prior to performing any inspections or test where the results of these inspections or test will be used for First Article Acceptance. The final copy is to be submitted 10 days after receipt of government approval.  BLK. 14: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142							
				1142			
				2310H		1	1
				4120L		1	1
				15. Total		2	3
G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	
Bart Hutchinson, Code 2310H		12/31/2002					

17. Price Group
18. Estimated Total Price







CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188				
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CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:					
		A		TDP      TM      OTHER X					
D. SYSTEM/ITEM		E. CONTRACT/PR NO.			F. CONTRACTOR				
Stabilizing Rod Assembly									
1. DATA ITEM NO.		2. TITLE OF DATA ITEM			3. SUBTITLE				
A005		FIRST ARTICLE QUALIFICATION TEST PLAN			LOT ACCEPTANCE TEST PLAN				
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE			6. REQUIRING OFFICE				
DI-NDTI-81307		SOW 3.2.7			NAVSURFWARCEN, CODE 2310				
7. DD 250 REQ		9. DIST STATEMENT		10. FREQUENCY		14. DISTRIBUTION			
LT		REQUIRED		OTIME					
				SEE BLOCK 16		b. COPIES			
8. APP CODE		11. AS OF DATE		13. DATE SUBSEQUENT SUBMISS		a. ADDRESSEE			
A		N/A		N/A		FINAL			
						Draft      Reg      Repo			
16. REMARKS BLK. 8: The requiring office will submit a response within 5 business days after the receipt of the draft.  BLK. 12: This data item (Lot Acceptance Test Plan) must be submitted to and approved by the requiring office prior to performing any inspections or test where the results of these inspections or test will be used for Lot Acceptance. The final copy is to be submitted 10 days after receipt of government approval.  BLK. 14: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142					1142			1	
					2310H		1	1	
					4120L		1	1	
					15. Total		2	3	

G. PREPARED BY		H. DATE		I. APPROVED BY		J. DATE	
Bart Hutchinson, CODE 2310H		12/31/2002					

DD FORM 1423-1, JUN 90

Previous editions are obsolete.1161/183

Attachment (F)

17. Price Group
18. Estimated Total Price



CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.						
CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP                      TM                      OTHER X		
D. SYSTEM/ITEM Stabilizing Rod Assembly		E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO. A006	2. TITLE OF DATA ITEM TECHNICAL REPORT – STUDY/SERVICES			3. SUBTITLE FIRST ARTICLE TEST REPORT		
4.AUTHORITY (Data Acquisition Document No.) DI-MISC-80508A		5. CONTRACT REFERENCE SOW 3.2.8			6. REQUIRING OFFICE NAVSURFWARCEN, CODE 2310	
7. DD 250 REQ LT	9 DIST STATEMENT REQUIRED	10. FREQUENCY OTIME	12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION	
8. APP CODE N/A	N/A	11. AS OF DATE N/A	13. DATE SUBSEQUENT SUBMISS N/A		b. COPIES	
					a. ADDRESSEE                      FINAL	
					SEE BLOCK 16                      Draft                      Reg                      Repo	
16. REMARKS  BLK. 12: This data item (First Article Test Report) must be submitted prior to the delivery of the first article test units.  BLK 14a: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142						
					1142	
					2310H	
					4120L	
					15. Total	
					3	
G. PREPARED BY  Bart Hutchinson, CODE 2310H		H. DATE  4-21-03		I. APPROVED BY		J. DATE

17. Price Group
18. Estimated Total Price



CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.						
CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP          TM          OTHER X		
D. SYSTEM/ITEM Stabilizing Rod Assembly		E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO. A007	2. TITLE OF DATA ITEM TECHNICAL REPORT – STUDY/SERVICES			3. SUBTITLE LOT ACCEPTANCE TEST REPORT		
4.AUTHORITY (Data Acquisition Document No.) DI-MISC-80508A		5. CONTRACT REFERENCE SOW 3.2.9			6. REQUIRING OFFICE NAVSURFWARCEN, CODE 2310	
7. DD 250 REQ LT	9 DIST STATEMENT REQUIRED	10. FREQUENCY OTIME	12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION	
8. APP CODE N/A	N/A	11. AS OF DATE N/A	13. DATE SUBSEQUENT SUBMISS N/A		b. COPIES	
					a. ADDRESSEE          FINAL	
					SEE BLOCK 16          Draft          Reg          Repo	
16. REMARKS  BLK. 12: This data item (Lot Acceptance Test Report) must be submitted prior to the delivery of each production lot.  BLK 14a: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142						
					1142	
					2310H	
					4120L	
					15. Total	
					3	
G. PREPARED BY  Bart Hutchinson, CODE 2310H		H. DATE  4-21-03		I. APPROVED BY		J. DATE

17. Price Group
18. Estimated Total Price



CONTRACT DATA REQUIREMENTS LIST					Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington D.C. 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.						
CONTRACT LINE ITEM NO.		B. EXHIBIT A		C. CATEGORY: TDP                      TM                      OTHER X		
D. SYSTEM/ITEM Stabilizing Rod Assembly		E. CONTRACT/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO. A008		2. TITLE OF DATA ITEM PROGRAM PROCESS REPORT		3. SUBTITLE		
4.AUTHORITY (Data Acquisition Document No.) DI-MGMT-80555		5. CONTRACT REFERENCE SOW 3.2.10		6. REQUIRING OFFICE NAVSURFWARCEN, CODE 2310		
7. DD 250 REQ LT		9 DIST STATEMENT REQUIRED		10. FREQUENCY BI-MO		12. DATE OF FIRST SUBMISSION SEE BLOCK 16
8. APP CODE N/A		11. AS OF DATE 0		13. DATE SUBSEQUENT SUBMISS 10 DARP		14. DISTRIBUTION
16. REMARKS  BLK. 12: This data item (Program Progress Report) must be submitted on a bi-monthly basis. The initial report shall include a full reporting period in addition to the data collected during any partial reporting period after the DAC.  BLK 14a: The following address should be used for the distribution of this data item. The "Attn:" code shall change appropriately to correspond to the addressees listed in block 14a.  Commander Naval Surface Warfare Center, Indian Head Division 101 Strauss Avenue Indian Head, Maryland 20640-5035 Attn: Code 1142				b. COPIES		
				a. ADDRESSEE                      FINAL		
				SEE BLOCK 16                      Draft                      Reg                      Repo		
				1142                      1		
				2310H                      1		
				4120L                      1		
G. PREPARED BY  Bart Hutchinson, CODE 2310H		H. DATE  4-21-03		I. APPROVED BY		J. DATE

17. Price Group
18. Estimated Total Price





**PAST PERFORMANCE QUESTIONNAIRE COVER SHEET  
FOR SOLICITATION NUMBER N00174-03-R-0036**

Name of offeror questionnaire is being completed for:

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Name of company completing questionnaire:

---

Name of the person and title completing questionnaire:

---

---

Length of time your firm has been involved with the offeror:

---

Type of work performed by referenced offer:

---

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**SUBMIT PAST PERFORMANCE QUESTIONNAIRE TO:**

NAVSEA INDIAN HEAD, SURFACE  
WARFARE CENTER DIVISION  
101 Strauss Avenue, Bldg 1558  
Indian Head MD 20640-5035  
Patsy Kragh, Contract Specialist,  
Code 1142P  
BY: **CLOSING DATE OF SOLICITATION**

**FACTOR 4**  
**PAST PERFORMANCE QUESTIONNAIRE INTERVIEW SHEET**  
**SOLICITATION NUMBER: N00174-03-R-0036**

**RATING SCALE**

Please use the following ratings to answer the questions. If you are unable to rate an item because it was not a requirement, never an issue, or you have no knowledge of the item in question then you should mark "N/A".

**EVALUATION CRITERIA**

- |                    |  |
|--------------------|--|
| <b>Excellent -</b> | The offerors performance was consistently superior. The contractual performance was accomplished with minor problems for which corrective action taken by the contractor was highly effective.   |
| <b>Good -</b>      | The offeror's performance was better than average. The contractual performance was accomplished with some minor problems, to which corrective actions taken by the contractor were effective. They would be willing to do business with the offeror again.                               |
| <b>Average -</b>   | The offeror's performance was adequate. The contractual performance reflects a problem, to which the contractor has not yet identified corrective actions. Consideration would take part in awarding a contract to the offeror again..   |
| <b>Neutral -</b>   | No record exists.  |
| <b>Poor -</b>      | The offeror's performance was entirely inadequate. The contractual performance of the element being assessed contains problems, to which the contractors corrective actions appear to be or were ineffective. They would not do business with the offeror again under any circumstances. |

## **CUSTOMER SATISFACTION**

1. The referenced contractor was responsive to the Customers needs. E G A N P N/A
2. The contractors personnel were qualified To meet the requirements. E G A N P N/A
3. The contractors ability to accurately estimate Costs. E G A N P N/A

## **TIMELINESS**

4. The contractors ability to ensure, to the extent of Its responsibility, that all tasks were completed within The requested time frame. E G A N P N/A

## **RELIABILITY**

5. The contractor had a clear understanding of the work Detailed in the SOW. E G A N P N/A
6. The contractors ability to complete tasks correctly the first time. E G A N P N/A
7. The contractors ability to resolve problems. E G A N P N/A

## **PRODUCT QUALITY**

8. The contractors quality and reliability of services delivered. E G A N P N/A
9. Quality, reliability, and maintainability of hardware delivered. E G A N P N/A

## **PROGRAM MANAGEMENT**

10. The offeror's ability to meet or exceed its subcontracting plans. E G A N P N/A



**PLEASE PROVIDE SUBJECTIVE REPONSES FOR THE FOLLOWING:**

10. Would you recommend this contractor for similar government contracts? Please explain:

11. Have you experienced special or unique problems with the referenced contractor that we should be aware of in making our decision?

12. In summary, which of the following would you choose to describe the quality of the referenced contractors service:

Significantly better than acceptable

Slightly better than acceptable

Acceptable

Slightly less than acceptable

Entirely unacceptable

13. In summary, which of the following would you choose to describe reference contractors willingness to cooperate to resolve performance disagreements:

Highly cooperative

Cooperative

Somewhat uncooperative

Highly uncooperative

Thank you for taking the time to complete the above information.

Interviewers Name: \_\_\_\_\_, Date \_\_\_\_\_.

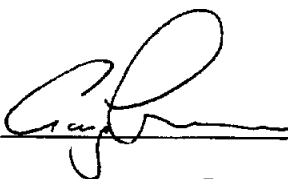
INCH-POUND

DTL WS 33732A  
CAGE Code 30003  
15 January 2003  
SUPERSEDING  
WS 33732

DETAIL SPECIFICATION  
PRODUCT SPECIFICATION FOR THE  
ROD, STABILIZING, COATED

Prepared by:  
Indian Head Division  
Naval Surface Warfare Center  
101 Strauss Avenue  
Indian Head, MD 20640-5035

SUBMITTED BY:



DATE: 15 JAN. 03

APPROVED FOR USE AS  
PRODUCT BASELINE BY:



DATE: 15 JAN 03

FSC 1340

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

DTL WS 33732A  
15 January 2003  
SUPERSEDING  
WS 33732

[illegible]

DTL WS 33732A  
15 January 2003  
SUPERSEDING  
WS 33732

## PRODUCT SPECIFICATION FOR THE ROD, STABILIZING, COATED

### 1. SCOPE

1.1 Scope. This specification establishes the requirements for manufacture and acceptance of the coated-stabilizing rod, critical item, referred to herein as the rod (see 6.1).

### 2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification, or documents recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements for documents referenced in sections 3 and 4 of this specification, whether they are listed or not in this specification.

#### 2.2 Government Documents

2.2.1 Specifications, Standards, and Handbooks. The following specifications, standards and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplements thereto, cited in the solicitation (see 6.2).

### SPECIFICATIONS

#### DEPARTMENT OF DEFENSE

MIL-P-193	Potassium Sulfate (for ordnance use)
MIL-B-21465	Butyl Stearate – Normal
MIL-A-3167	Adhesives (for plastic inhibitors)
MIL-A-81236	Adhesive, Epoxy Resin with Polyamide Curing Agent
DOD-D-23443	DI-(2 – Ethylhexyl) Adipate, Technical

### STANDARDS

#### DEPARTMENT OF DEFENSE

MIL-STD-1916	DoD Preferred Methods For Acceptance Of Product
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## HANDBOOKS

### DEPARTMENT OF DEFENSE

#### MIL-HDBK-454

#### General Guidelines For Electronic Equipment

(Unless otherwise indicated, copies of the above specifications, standards and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Bldg. 4D, Philadelphia, PA 19111-5094.)

**2.2.2 Other Government Drawings, Documents, and Publications.** This section is not applicable to this document.

**2.3 Non-Government Publications.** The following other government drawings, documents and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the specification. Unless otherwise specified, the issues of the documents not listed in the DODISS are the issues of the documents cited in the solicitation.

### AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

#### D 1786

#### Standard Specification for Toluene Diisocyanate

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.)

**2.4 Order of Precedence.** In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

## 3. REQUIREMENTS

**3.1 Item definition.** The coated stabilizing rod consists of a metal rod coated with an extruded chemical salt compound plus mounting and attaching parts. The fabricated parts are defined in detail on the drawings contained within the data package invoked by the contract or purchase order. The salt compound and application thereof is defined and specified herein.

### 3.2 Characteristics

**3.2.1 Adhesion.** After assembly of the metal rod and the extruded salt-composition coating, as specified herein, the bond between the metal rod and the coating material shall be of sufficient strength to require a minimum average shear load of 120 pounds to shear the coating from a two inch section of the metal rod within inspected as specified herein.

**3.2.2 Thermal shock.** The extruded coating shall show no evidence of loosening, cracking or chipping when the assembled rod is subjected to thermal shock as specified herein.

**3.2.3 Twist.** The extruded coating shall show no evidence of twist greater than 90 degrees when inspected as specified herein.

**3.2.4 Straightness.** The rod shall meet the straightness requirement of the applicable drawing when inspected as specified herein.

3.3 Design and construction. The rod shall be fabricated and assembled in accordance with drawings and other documents invoked by the contract or purchase order and this specification, and shall meet the requirements and quality-assurance provisions specified herein.

3.3.1 Salt-compound-coating composition. The salt-compound-coating material shall consist of 65 to 72 percent by weight potassium sulfate combined with 28 to 35 percent by weight ethyl-cellulose compound.

3.3.1.1 Potassium sulfate. The potassium sulfate shall conform to MIL-P-193 with not less than 90 percent passing a number 100 U.S. Standard sieve.

3.3.1.2 Ethyl-cellulose compound. The ethyl-cellulose compound shall meet the flame test of MIL-P-193 and shall be compounded as follows:

- a. 68 to 72 percent by weight, ethyl cellulose conforming to Table 1.
- b. 8 to 12 percent by weight plasticizer conforming to DOD-D-23443.
- c. 19 to 21 percent by weight normal butyl stearate conforming to MIL-B-21465 plus additions and exceptions as follows:

Color	APHA 25 maximum
Acid No.	1 mg maximum KOH per gram
Saponification No.	167 to 178
Specific gravity	0.85 to 0.86 at 20 to 25 degrees Centigrade (degrees C)
Moisture content	0.05 percent maximum by weight
Suspended material	None
Melting point	18 degrees C minimum
Boiling range	First drop, 120 degrees C minimum, 2.5 percent maximum, below 250 degrees C at standard atmospheric pressure

- d. 0.01 percent by weight red-oil dye or approved equivalent.

Table 1. Composition of Ethyl Cellulose Compound

Material	Percent by Weight	Requirements
Ethyl Cellulose	70 $\pm$ 2	Ethoxyl content 48.0 to 49.5% Viscosity 90 to 110 cps DOW Chemical Ethocel Approved source
Plasticizer	10 $\pm$ 2	See note 1.
Normal Butyl Stearate	20	MIL-B-21465
Color or Color Masking Material	0.01 (max.)	Red Oil, Dye or Approved Equivalent

Note 1. Plasticizer, substituted phenyl ether, with single to multiple additions from isobutylene and diisobutylene giving molecular weights from 226 to 408 or greater with bis(p-t-butyl phenyl) ether and 2, 3, 4' tri-t-butyl phenyl ether as the principal constituents. No substitute ether component is to exceed 50% of the plasticizer mixture. DOW P-1099 process or Phillips BDO-47 process are the only Government approved materials authorized for use. The plasticizers tend to settle and stratify in time. Heating and agitation of the material before use is required for BDO-47 and recommended for P-1099.)

3.3.1.3 Chemical analysis. The supplier shall furnish a chemical analysis of each batch of salt-compound-coating material showing the percentage of potassium sulfate. The chemical analysis shall be made in accordance with the quality assurance provisions specified herein.

3.4 Assembly process. The metal rod shall be treated and prepared for assembly and assembled with the extruded-coating material in accordance with the following procedure.

3.4.1 Dipping. The metal rod shall be dipped to its full length in a solution of 5.0 percent by weight ethyl cellulose in ethyl-lactatebutyl-acetate (ELBA) solvent. The ELBA solvent shall conform to the requirements of MIL-A-3167, Type III, Class 2.

3.4.2 Drying. After dipping in accordance with 3.4.1, the metal rod shall be hung in a vertical position to dry at ambient room temperature of 18 to 35 degrees C.

3.4.3 Assembly of metal rod and coating. The metal rod prepared for assembly in accordance with 3.4.1 and 3.4.2 shall be dipped to its full length in undiluted toluene-2, 4-diisocyanate, conforming to ASTM D 1786, Type 1, Class 100 and immediately thereafter assembled with the extruded coating. The interval between dipping the metal rod and assembly with the extruded coating shall not be greater than 60 seconds.

3.4.4 Baking. The metal rod and extruded coating assembly shall be baked in a dielectric heater to obtain maximum bond strength between the metal rod and the extruded coating. The interval between assembly in accordance with 3.4.3 and baking shall be held to the minimum possible, and shall be not greater than 60 seconds.

3.5 Workmanship. The rod shall be fabricated and assembled with a quality of workmanship that supports and complements all requirements. Neatness, cleanliness and thoroughness as mandatory for conformance with workmanship requirements. The standards for workmanship shall provide for surveillance over workmanship practices to the extent necessary to assure a quality product. As a minimum, workmanship should meet the applicable requirements of MIL-HDBK-454, Requirement 9.

3.6 First article sample. Unless otherwise specified in the contract or purchase order, a first article sample consisting of seventy-five (75) sets of component parts and seventy-five (75) assemblies shall be delivered to the activity designated in the contract or purchase order for first article inspection and evaluation. The first article sample shall be fabricated and assembled using materials, parts, processes and techniques identical to those intended for production. Inspection and evaluation of the first article sample shall be in accordance with the requirements and quality-assurance provisions specified herein.

3.7 Alternative Bonding Procedures. An alternative bonding procedure for sections 3.4.1 thru 3.4.4.

3.7.1 Coating. An epoxy mixture of  $43 \pm 5$  percent (%) by weight of epon resin 828 mixed with  $56 \pm 5$  percent (%) by weight of epon curing agent V-40, shall be applied to the stabilizing rod outside surface as required, and then immediately afterwards, the stabilizing rod shall be coated with the extruded salt coating. There shall be no delay between applying the epoxy mixture and the application of the salt coating. Excess shall

be removed from the stabilizing rod. The epon 828/epon V-40 mixture shall conform to the requirements of MIL-A-81236.

3.7.2 Curing. The coated stabilizing rods shall be cured in a well ventilated room for 24 hours minimum (min) at ambient room temperature 70 to 80 degrees Fahrenheit (°F).

#### 4. VERIFICATION

4.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.3)
- b. Quality conformance inspection (see 4.4)

4.1.1 General. When required by the contract or purchase order, the first article sample will be inspected and evaluated by the procuring activity or representative thereof. When a first article sample is required, regular production shall not commence until after the first article sample has been evaluated and accepted.

4.1.2 Inspection procedures. The inspection procedures to be used shall be detailed in writing or other documentary form by the supplier and shall have the approval of the procuring activity or representative thereof prior to performing any inspections.

4.1.3 Inspection equipment. Unless otherwise specified on the contract or purchase order, the supplier is responsible for providing all inspection equipment, including any necessary design thereof, necessary for performance of the inspections specified herein.

4.1.4 Inspection conditions. Except as otherwise required herein for specific inspections, all inspections shall be conducted under the following environmental conditions.

- a. Room temperature = +15 degrees C to +35 degrees C
- b. Relative humidity = 95 percent maximum

4.2 Inspection lot. For purpose of quality conformance inspections, inspection lots shall be formed in accordance with MIL-STD-1916.

4.2.1 Lot size. The quantity of rods included in any single inspection lot shall not exceed 5000.

4.2.2 Lot acceptance or rejection. Lot acceptance or rejection shall be in accordance with the criteria set forth for the specific inspections required herein.

4.3 First article-sample inspection. All rods delivered as a first article sample shall have passed examination or product inspections of 4.5 through 4.5.3.1 in addition, randomly selected rods from the first article sample shall pass the inspection of 4.6 through 4.10.1. Failure of any first article sample rod to pass any inspection shall be cause for rejection of the first article sample.

4.4 Quality-conformance inspection. All rods shall have passed the examination of product inspection of 4.5 through 4.5.3.1 prior to lot formation. Inspection lots shall be formed as specified herein and sampled for inspections of 4.6 through 4.10.1 in accordance with specific inspection sample size requirements.



#### 4.5 Examination of product

4.5.1 Parts and materials. Prior to assembly, inspection shall be made to ascertain that all parts and materials produced or procured under separate specifications or drawings conform to their respective specifications or drawings and meet all requirements specified herein.

4.5.2 Processes. During fabrication and assembly, inspection shall be made to ascertain that processes conform to their respective specifications or standards and the requirements specified herein.

4.5.3 Complete-rod assembly. Each completely assembled rod shall be carefully examined to determine that the workmanship requirements have been met and the assembled rod is complete in all details specified herein and on the applicable drawings.

4.5.3.1 Preparation-for-delivery inspection. Prior to delivery, each rod shall be inspected for determination of conformance with the preparation-for-delivery requirements.

4.6 Coating-material-chemical analysis. A chemical analysis required by 3.3.1.3 to determine compliance with 3.3.1 shall be made by the following method: (for alternate method see MIL-P-193).

4.6.1 Preparation. An approximately equal portion of the chemical coating shall be separated from each of five stabilizing rods by means of clean pliers. The portions of coating shall be broken into 1/8 inch by 1/8 inch pieces or smaller and blended in a beaker. From this blend about five grams of coating shall be weighed accurately and placed in the container of a Waring or similar "blender". About 250 ml of distilled water shall be added and the coating shall be shredded for three minutes. The small size shreds shall be suspended by stirring and the coating decanted into one-liter beaker. Add about 250 ml of distilled water to the coating which resisted shredding and repeat the shredding process for three minutes.

4.6.2 Extraction. The one-liter beaker containing the shredded coating shall be placed on a hot plate and boiled for 30 minutes. The coating solution shall then be filtered through a number 40 Whatman filter paper or equivalent, to collect the shredded coating. The coating shreds shall be washed five times with distilled water, placed in a crucible, and ignited in the muffle furnace at 600 degrees C. After the crucible is removed from the muffle furnace and cooled, the coating ash shall be dissolved in distilled water and filtered through a number 40 Whatman filter paper; the filtrate shall be added to the above solution. The solution shall then be diluted to one liter in a volumetric flask and mixed well. Two 50 ml aliquots of the coating solution shall be taken for analysis.

4.6.3 Analysis. A 50 ml aliquot shall be transferred to a 600 ml beaker, diluted with distilled water to 400 ml and two ml of concentrated hydrochloric acid shall be added. This solution shall be heated to boiling and 20 ml of 10 percent barium chloride solution added by pipette. The boiling shall be restarted and continued for five minutes. The sample shall stand overnight and shall then be filtered through a number 42 Whatman filter paper or equivalent, and washed until the filter paper is free of chloride. The filter paper and precipitates shall then be ignited in a weighed crucible at 600 degrees C to constant weight.

4.6.4 Calculation. The percentage of potassium sulfate shall be calculated by the following equation:

$$\text{Percentage } K_2SO_4 = \frac{\text{Weight of } BaSO_4 \times 14.93}{\text{Weight of Sample}} \times 100$$

4.6.5 Acceptance criteria. The lot shall be accepted if the calculated percentage of potassium sulfate is within the range of 65 percent to 72 percent by weight as required in paragraph 3.3.1. Reject the lot if the

calculated percentage of potassium sulfate on either of the two aliquots is less than 65 percent or greater than 72 percent by weight.

4.7 Thermal-shock test. Twenty-five stabilizing rods shall be selected at random from each inspection lot. Each stabilizing rod shall be placed on wood supports in an air bath test chamber at minus 65 degrees F, plus or minus 2 degrees F, for not less than 6 hours. Within one minute after removal of stabilizing rods from the low temperature air bath test chamber, the stabilizing rods shall be placed in an air bath test chamber at plus 165 degrees F, plus or minus 2 degrees F, for not less than 6 hours. The cycle procedure shall then be repeated once again without interruption.

4.7.1 Acceptance criteria. The lot shall be rejected if one or more stabilizing rod shows any evidence of loosening, cracking or chipping.

4.8 Straightness. Ten rods that have passed the thermal-shock test shall be inspected for straightness as required on the applicable drawing.

4.8.1 Acceptance criteria. The lot shall be rejected if the straightness of one or more rods does not meet the requirement on the applicable drawing.

4.9 Adhesion test. Ten stabilizing rods that have passed the thermal-shock test shall be tested for strength of bond between the coating and the rod.

4.9.1 Preparation of specimens. Three test specimens, one from each end and one from the middle, shall be cut from each of ten stabilizing rods. Each specimen shall be three inches in length and shall have one half inch of coating removed from each end, leaving a test specimen of 2 inches plus or minus 1/16 inches. The end faces of the coating on the test specimen shall be at a 90 degree plus or minus 5 degree angle to the axis of the rod. The exposed metal rod at each end shall be free of coating material and burrs.

4.9.2 Conditioning of specimens. Prior to testing, the specimens shall be conditioned at a temperature of plus 70 degrees F, plus or minus 5 degrees F, for not less than two hours.

4.9.3 Test equipment. The test equipment for the adhesion test shall be any testing machine having a movable head whose speed can be adjusted to 2 inches plus or minus 0.250 inches per minute when the machine is running idle. The load indicating mechanism shall be capable of accurately indicating load readings to within plus or minus 3 pounds. The jig for applying the load to the stabilizing rod test specimen shall be such that the load is applied through surfaces that are flat and parallel to the ends of the stabilizing rod specimen, normal to the long axis of the specimen, so as to shear the chemical coating from the rod.

4.9.4 Test procedure. Each stabilizing rod specimen shall be tested with the test machine crosshead speed set at 2 inches plus or minus 0.250 inches per minute. The maximum load carried by the stabilizing rod specimen at time of failure shall be recorded.

4.9.5 Acceptance criteria. The lot shall be rejected if the average of the recorded minimum shear load of the three sample sections of any stabilizing rod is less than the specified requirements of 3.2.1.

4.10 Twist test. Ten stabilizing rods which have passed the thermal-shock test shall be inspected for twist.

4.10.1 Acceptance criteria. The lot shall be rejected if the twist of any stabilizing rod is greater than the specified requirement of 3.2.3.

## 5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.5). When actual packaging of materiel is to be performed by DOD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

## 6. NOTES

(This section contains information of a general or explanatory nature that may be helpful but is not mandatory).

6.1 Intended use. The rods covered by this specification and the drawings and other documents invoked by the contract or purchase order are intended for use in solid propellant 5.0 inch rocket motors to stabilize burning of the propellant grain.

6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number and date of this specification.
- b. Drawings and other data necessary for detailed design disclosure of the rods being procured.
- c. First article sample requirements if different than 3.6.
- d. Responsibility for inspection of preproduction sample (see 4.1).
- e. Responsibility for inspection if different than 4.1.1.
- d. Any provisions for Government furnished inspection equipment (see 4.1.3).

6.3 Safety. The tolylene diisocyanate used in dipping the rod (see 3.4.3) is a hazardous and toxic material. Observance of suitable safety precautions is advisable. Use of this specification shall not be construed to in any way relieve the supplier or manufacturer of responsibility for the safety of its operations. Navy Department Manual OP5 is mandatory for use by Government activities and should be used by Industry.

6.4 Information document. Navord OD 24520 Volume 1, Zuni, 5.0 inch Inert Parts, Mark 16 Mod 1, Production Manual contains detailed information, which may be of value to the supplier of coated stabilizing rods. However, the use of this manual shall in no way obligate the Government.

Custodian

Preparing Activity

NASC Air 52021E

NASC NAVMISCEN

6.5 Preparation for delivery

6.5.1 Preservation and packaging. The rods should be preserved and packaged in conformance with MIL-STD-2073/1, Preservation and Packaging, Level B.

6.5.2 Packaging. The rods should be packed in conformance with MIL-STD-2073/1, Packing, Level B.

6.5.3 Marking. Marking for shipment and storage should conform to MIL-STD-129.

6.6 Subject term (keyword) listing.

ZUNI  
tolulene diisocyanate



1. MATERIAL: MOLDING PLASTIC POLYAMIDE (NYLON) IN ACCORDANCE WITH MIL-M-20693, COMP A, TYPE I, OR COMP B, TYPE IV, COLOR OPT.

2. UNLESS OTHERWISE SPECIFIED SURFACE TEXTURE TO BE AS FABRICATED. PART SHALL BE FREE OF FLASH IN EXCESS OF .003 IN THICKNESS AND .005 IN HEIGHT.

3. MARK "THIS SIDE OUT" IN ACCORDANCE WITH MIL-STD-130 ON FAR SIDE.

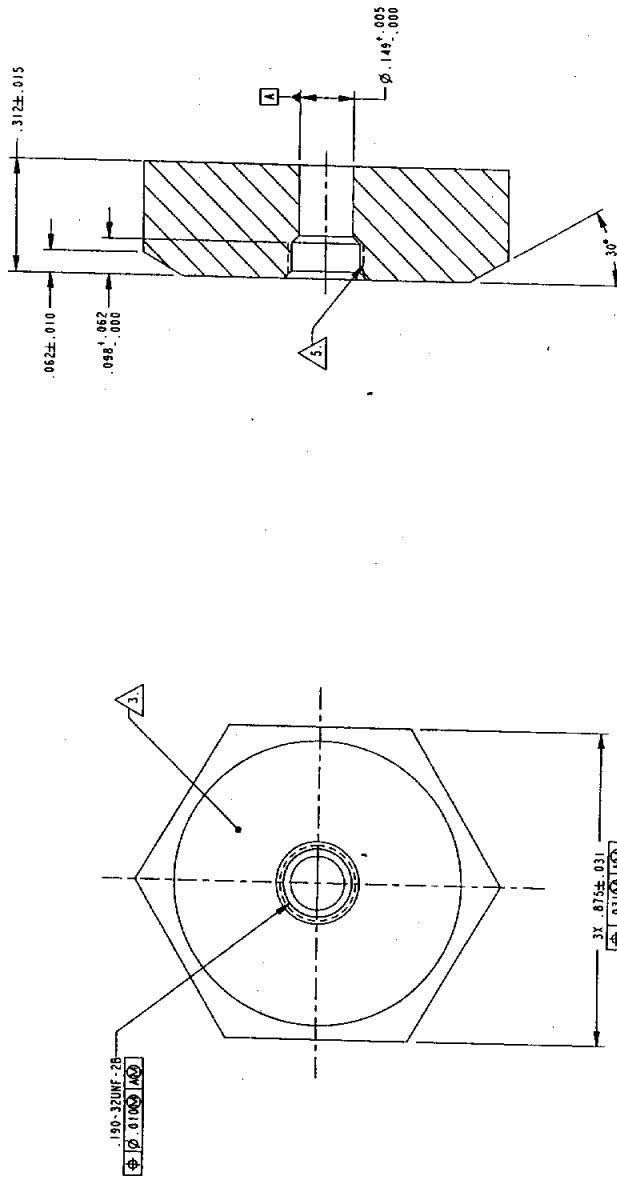
4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E, AND ASME Y14.5M-1994.

5. BREAK FIRST THREAD AT 45 DEGREES.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-2101)
CRITICAL- NONE
MAJOR- NONE
MINOR- ALL CHARACTERISTICS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
0	SEE RD 1121692-D REPLACES REV B WITH CHANGE	9/11/70	LWF
1	SEE NOR W46-300	10/11/71	RD
F	SEE NOR 1121592-F	11SEP72	MEY
6	REDRAWN WITH FORMAT CHANGES	7/29/02	C.P.
J	SEE ECP H02056	1/6/03	CP
H	SEE ECP H02185	1/6/03	CP
J	SEE ECP H03011	1/6/03	CP

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



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INDIAN HEAD, MD. 20640-5035.

[illegible]

NAVAL MISSILE CENTER POINT MUGU, CALIF 93041	ENGINEER	APPROVED FOR MARCH 6/15/70 AUTHENTICATED	DATE
	ENGINEER		
	CHECKED		
	DRAWN		

<p> CURRENT DESIGN ACTIVITY CASE CODE 44083  DEPARTMENT OF THE NAVY  NAVAL SURFACE WARFARE CENTER  INDIAN HEAD, MARYLAND 20640-5035 </p>	<p> DEPARTMENT OF THE NAVY  NAVAL SYSTEMS COMMAND  WASHINGTON, D.C. 20387 </p>	<p> NUI, LOCK </p>	<p> DRAWING NUMBER </p>
<p> D 30003 </p>	<p> 1 127692 </p>		



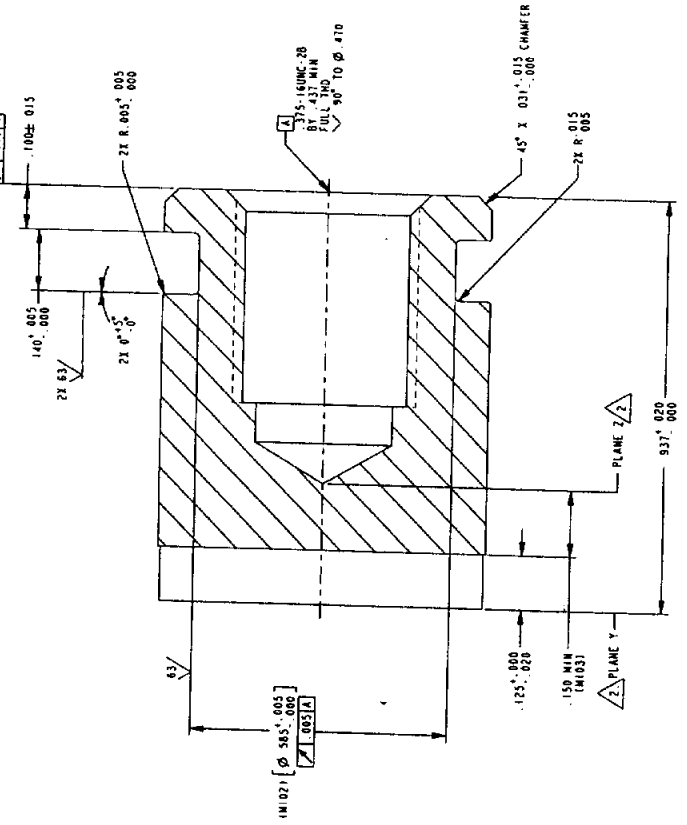
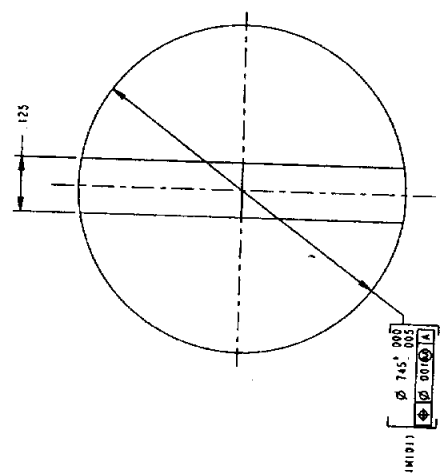
REV	DESCRIPTION	DATE	APPROVAL
1	SEE RD 117881-H	9/1/78	W
2	REPLACES REV D WITH CHANGE	9/1/78	W
3	SEE MGR NMC-3004	10/1/78	W
4	SEE MGR NMC-2875	12/1/78	W
5	SEE MGR NMC-2875	12/1/78	W
6	SEE MGR NMC-2875	12/1/78	W
7	REWORK WITH FORMAT CHANGES	7/29/02	C.P.
8	SEE LCP 102058		
9	SEE LCP 102058		

CAD MAINTAINED CHANGES  
SHALL BE INCORPORATED BY  
THE DESIGN ACTIVITY

CLASSIFICATION OF CHARACTERISTICS (DD-STD-210)
ALL DIMENSIONS
ALL DIMENSIONS
ALL DIMENSIONS

CHARACTERISTICS
ALL DIMENSIONS
ALL DIMENSIONS
ALL DIMENSIONS

NOTES:  
1. MATERIAL: COLD ROLLED STEEL A104 TO C1050  
2. CONNECTOR NOT BETWEEN PLANE Y AND PLANE Z SHALL  
HAVE SPECIAL INTERNAL SMOOTHNESS IN ACCORDANCE  
WITH MIL-STD-15584, TO BE VERIFIED BY PENETRANT  
INSPECTION IN ACCORDANCE WITH ASME E 1417, TYPE 1,  
METHOD B, AFTER MACHINING AND BEFORE PLATING  
3. ZINC PLATE IN ACCORDANCE WITH ASTM B633, SC 3, TYPE  
11  
4. DIMENSIONAL LIMITS AND SURFACE TEXTURE DESIGNATIONS  
APPLY AFTER PLATING  
5. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000,  
APPENDIX B, C, AND ASME Y14.3M-1994  
6. UNLESS OTHERWISE SPECIFIED:  
FILLET ROUNDS AND BREAK SHARP EDGES 0.15 MAX  
SURFACE TEXTURE 125/



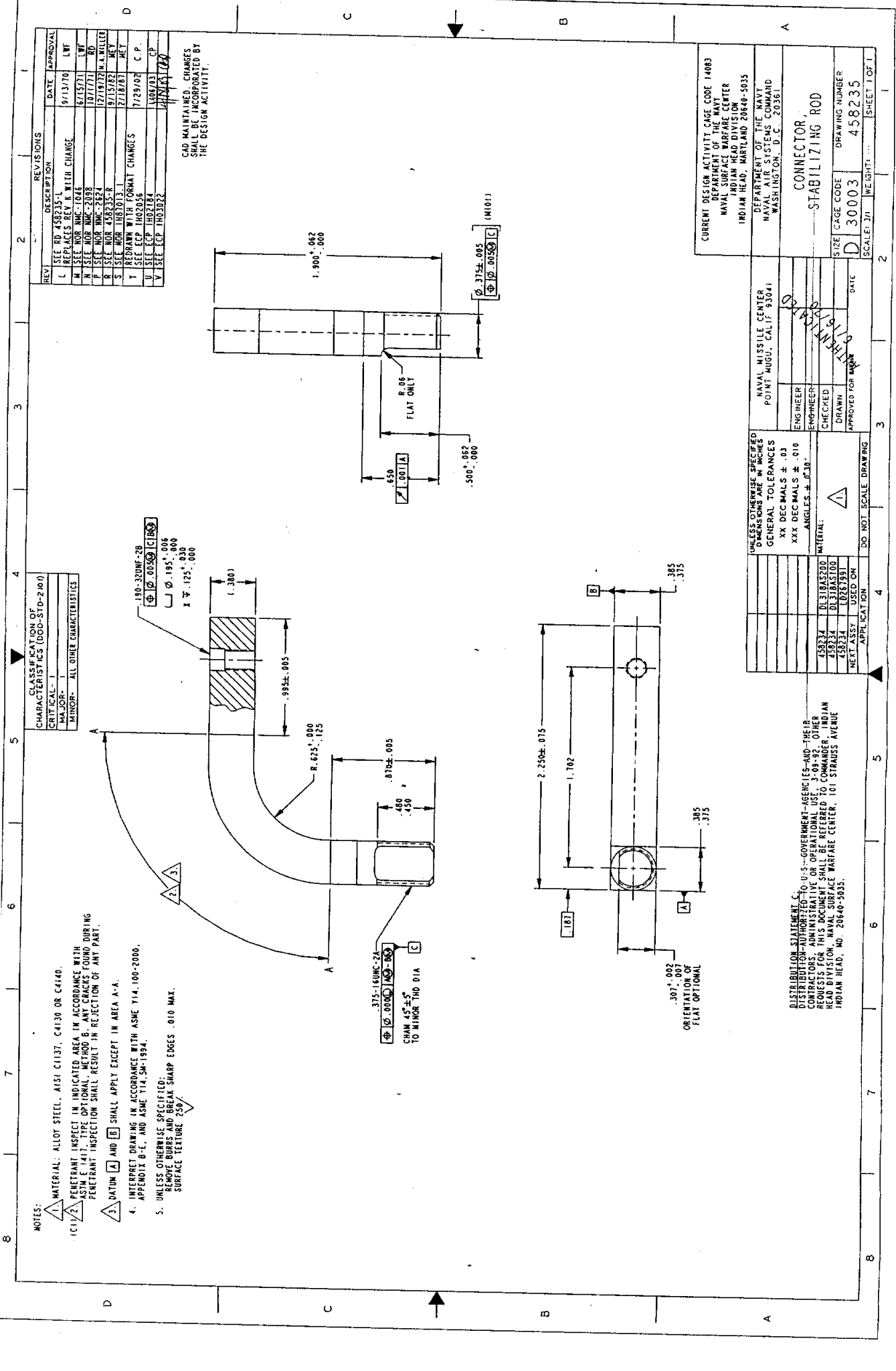
CURRENT DESIGN ACTIVITY CAGE CODE 14083	DEPARTMENT OF THE NAVY NAVAL MISSILE CENTER INDIAN HEAD DIVISION INDIAN HEAD, MARYLAND 20640-5035
NAVAL MISSILE CENTER POINT MUGU, CALIF 93041	DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND WASHINGTON, D.C. 20361
ENGINEER CHECKED DATE	ENGINEER CHECKED DATE
APPROVED FOR	APPROVED FOR
SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	GENERAL TOLERANCES	XX DECIMALS ± .010	ANGLES ± 5°
3.141592653589793	3.141592653589793	3.141592653589793	3.141592653589793
2.595264503717421	2.595264503717421	2.595264503717421	2.595264503717421
4.868329835499703	4.868329835499703	4.868329835499703	4.868329835499703
APPROXIMATION	DO NOT SCALE DRAWING		

3.141592653589793	3.141592653589793	3.141592653589793	3.141592653589793
2.595264503717421	2.595264503717421	2.595264503717421	2.595264503717421
4.868329835499703	4.868329835499703	4.868329835499703	4.868329835499703
APPROXIMATION	DO NOT SCALE DRAWING		

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INDIAN HEAD, MD 20640-5035





NOTES:  
1. MATERIAL: ALLOY STEEL, AISI C1137, C4130 OR C4140.  
2. PENETRANT INSPECT IN INDICATED AREA IN ACCORDANCE WITH ASTM E 1417. TYPE OPTIONAL. METHOD B. ANY CRACKS FOUND DURING PENETRANT INSPECTION SHALL RESULT IN REJECTION OF ANY PART.  
3. DATUM A AND B SHALL APPLY EXCEPT IN AREA A-A.  
4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-C, AND ASME Y14.5M-1994.  
5. UNLESS OTHERWISE SPECIFIED:  
REMOVE BURRS AND BREAK SHARP EDGES .010 MAX.  
SURFACE TEXTURE 250/

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-200)  
CRITICAL - I  
MAJOR - I  
MINOR - ALL OTHER CHARACTERISTICS

REV	DESCRIPTION	DATE	APPROVAL
1	SEE DD 458235-L	9/13/70	LWF
2	REPLACES REV. K WITH CHANGE		
3	SEE DD 458235-L	9/13/70	LWF
4	SEE DD 458235-L	9/13/70	LWF
5	SEE DD 458235-L	9/13/70	LWF
6	SEE DD 458235-L	9/13/70	LWF
7	SEE DD 458235-L	9/13/70	LWF
8	SEE DD 458235-L	9/13/70	LWF
9	SEE DD 458235-L	9/13/70	LWF
10	SEE DD 458235-L	9/13/70	LWF
11	SEE DD 458235-L	9/13/70	LWF
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95	SEE DD 458235-L	9/13/70	LWF
96	SEE DD 458235-L	9/13/70	LWF
97	SEE DD 458235-L	9/13/70	LWF
98	SEE DD 458235-L	9/13/70	LWF
99	SEE DD 458235-L	9/13/70	LWF
100	SEE DD 458235-L	9/13/70	LWF

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

CURRENT DESIGN ACTIVITY CAGE CODE 14083	
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NAVAL SURFACE WARFARE CENTER	
INDIAN HEAD, MARYLAND 20640-5035	
DEPARTMENT OF THE NAVY	
NAVAL AIR SYSTEMS COMMAND	
WASHINGTON, D.C. 20381	
CONNECTOR, STABILIZING ROD	
SIZE CAGE CODE	D 30003
DRAWING NUMBER	458235
SCALE: 3/1	WEIGHT: 1.0
SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	
GENERAL TOLERANCES	
XX DECIMALS ± .03	
XXX DECIMALS ± .010	
ANGLES ± 0°30'	
MATERIAL:	
458234	DL318AS200
458234	DL318AS100
458234	DL318AS100
NETT ASST	USED ON
DO NOT SCALE DRAWING	
APPLICATION	
NAVAL MISSILE CENTER	
POINT MUGU, CALIF 93041	
ENGINEER	
CHECKED	
DRAWN	
APPROVED FOR	
DATE	

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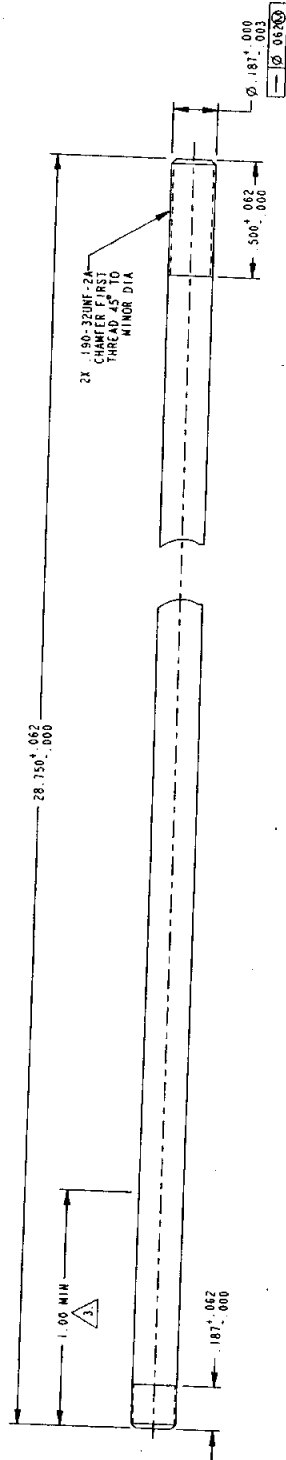
# NOTES:

1. MATERIAL: STEEL, CARBON, ROD, AISI C1040 COLD FINISHED
2. SURFACE TEXTURE SHALL BE AS FABRICATED.
3. AFTER MACHINING AND STRAIGHTENING THE ROD SHALL BE PENETRANT INSPECTED TO LENGTH SHOWN IN ACCORDANCE WITH ASTM E 1417, TYPE 1, METHOD A.
4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-C, AND ASME Y14.5M-1994.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- NONE	
MAJOR- 1	
MINOR- ALL OTHER CHARACTERISTICS	

REVISIONS		DATE	APPROVAL
F	SEE RD 1127754-F	9/1/70	LWF
G	REPLACES REV E WITH CHANGE	10/1/71	RD
H	SEE NOR HMC-3002	10/1/71	RD
J	REDRAWN WITH FORMAT CHANGES	1/29/02	C.P.
K	SEE ECP 102056	1/29/02	C.P.
L	SEE ECP 102186	1/29/02	C.P.

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DEPARTMENT OF THE NAVY NAVAL AIR SYSTEMS COMMAND WASHINGTON, D.C. 20361		ENGINEER ENGINEER CHECKED DRAWN APPROVED FOR	
ROD, STABILIZING		DATE: 6/16/02	
SIZE: CAGE CODE	DRAWING NUMBER	DO NOT SCALE DRAWING	
D 30003	1127754	1	
SCALE: 1/1	WEIGHT: 1	SHEET 1 OF 1	

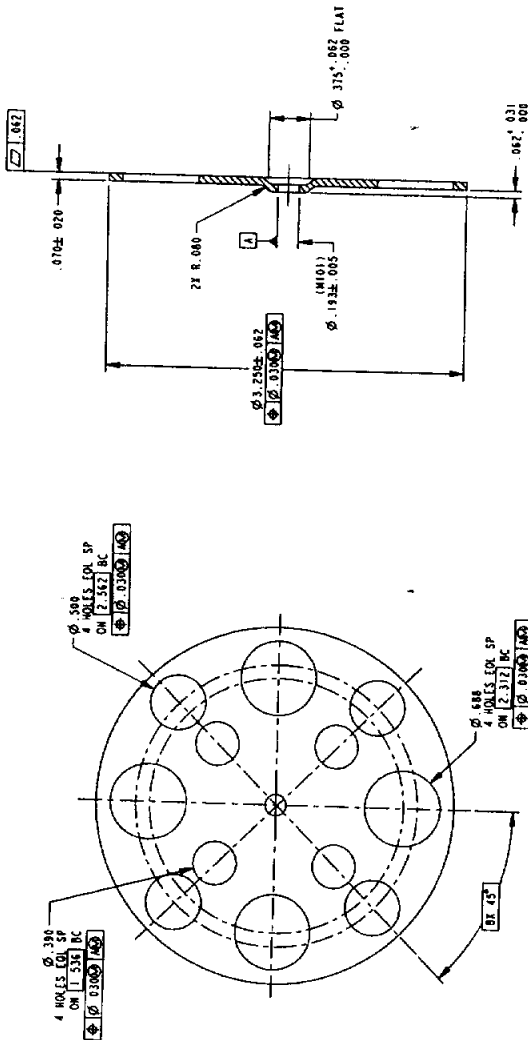
# NOTES

- 1 MATERIAL: STEEL, CARBON, HOT ROLLED, AISI C1010 TO C1030
- 2 INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-E, AND ASME Y14.5M-1994
- 3 UNLESS OTHERWISE SPECIFIED:
  - REMOVE BURRS AND BREAK SHARP EDGES 0.15 MAX.
  - SURFACE TEXTURE 125

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-240)	
CRITICAL-MAJOR	MINOR-ALL OTHER CHARACTERISTICS

REV	DESCRIPTION	DATE	APPROVAL
D	SEE RD 1127855-0	9/13/70	LWF
E	REPLACES REL C WITH CHANGE	7/15/71	LWF
F	SEE RD 1127855-0	10/11/71	NO
G	SEE RD 1127855-0	12/27/72	MEY
H	REPLACES WITH FORM CHANGES	7/29/72	C.P.
I	SEE ECP 1402056		
J	SEE ECP 1402187		

CAD MAINTAINED CHANGES  
SHALL BE ACCOMMODATED BY  
THE DESIGN ACTIVITY



SECTION A-A

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INDIAN HEAD, MD 20640-5035.

CURRENT DESIGN ACTIVITY CAGE CODE 14083  
DEPARTMENT OF THE NAVY  
NAVAL SURFACE WARFARE CENTER  
INDIAN HEAD, MARYLAND 20640-5035

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
GENERAL TOLERANCES	XX DECIMALS ± .010
ANGLES	ANGLES ± .5°
MATERIAL:	
458234	0.3185200
458234	0.3185100
458234	1.0761931
NEXT ASSY USED ON	

ENGINEER	DATE
ENGINEER	DATE
CHECKED	DATE
DRAWN	DATE
APPROVED TOP MAN	DATE

NAVAL MISSILE CENTER POINT MUGU, CALIF 93041	ENGINEER
ENGINEER	DATE
CHECKED	DATE
DRAWN	DATE
APPROVED TOP MAN	DATE

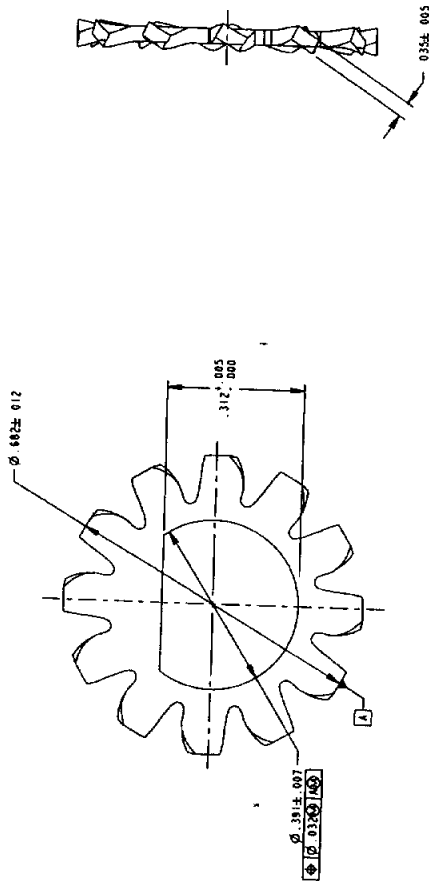
SCREEN, STABILIZING ROD  
SIZE CAGE CODE 1127855  
DRAWING NUMBER D 30003  
SCALE: 2H HEIGHT: 1127855  
SHEET 1 OF 1

- NOTES:
1. THIS ITEM SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF IFW-100, TYPE II, STYLE C, COMPARISON AS WELL AS THE DIMENSIONAL AND PLATING REQUIREMENTS SPECIFIED ON THIS DRAWING.
  2. ZINC PLATE IN ACCORDANCE WITH ASTM B633, SC 3, TYPE II.
  3. DIMENSIONAL LIMITS APPLY AFTER PLATING.
  4. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000, APPENDIX B-C, AND ASME Y14.5M-1994.

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-200)	
CRITICAL - NONE	
MAJOR - NONE	
MINOR - ALL CHARACTERISTICS	

REV	DESCRIPTION	DATE	APPROVAL
C	SEE RD 155881-C	9/17/70	LWF
D	REPLACES REV A WITH CHANGE	10/1/71	RD
E	SEE MGR 155881-3005	9/15/82	MEY
F	REDRAWN WITH FORMAT CHANGES	7/29/92	C P
G	SEE ECP 140258		
H	SEE ECP 140258		

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NAVAL SURFACE WARFARE CENTER	
INDIAN HEAD DIVISION	
INDIAN HEAD, MARYLAND 20640-5035	
DEPARTMENT OF THE NAVY	
NAVAL AIR SYSTEMS COMMAND	
WASHINGTON, D.C. 20381	
WASHER, CONNECTOR	
SIZE CASE CODE	DRAWING NUMBER
D 3003	1559681
SCALE: 1:1	WEIGHT: 1.0
SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
GENERAL TOLERANCES	
XX DECIMALS ±	
XXX DECIMALS ±	
ANGLES ±	
MATERIAL	
316A3210	0.316A3210
458233	0.316A3210
458233	1.027591
NEAT ASST	USED ON
APPLICATION	
DO NOT SCALE DRAWING	
NAVAL MISSILE CENTER	
POINT HUGO, CALIF 93041	
ENGINEER	DATE
CHECKED	APPROVED FOR WORK
DRAWN	

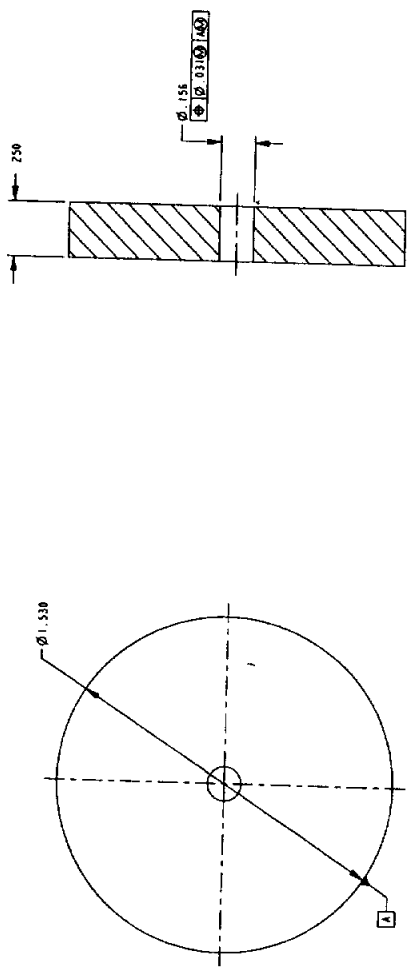


REV	DESCRIPTION	DATE	APPROVAL
A	SEE NDR 318A5241-A	15SEP82	WET
B	REDRAWN WITH FORMAT CHANGES	7/29/02	C.P.
C	SEE ECP IND2055		
D	SEE ECP IND2152	11/1/82	WET

CAD MAINTAINED CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY

CLASSIFICATION OF CHARACTERISTICS (DOD-STD-210)	
CRITICAL- NONE	MAJOR- NONE
MINOR- ALL CHARACTERISTICS	

- NOTES:
- INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14 100-2000, APPENDIX B-C, AND ASME Y14 30-1994.
  - MATERIAL:  
FELT SHEET, NON-PRESSED, CONFORMING TO C-F-206, TYPE I, CLASSIFICATION NO. 1003.



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES GENERAL TOLERANCES XX DECIMALS ± .020 XXX DECIMALS ± .010 ANGLES ± .1°		INDIAN HEAD DIVISION NAVAL SURFACE WARFARE CENTER INDIAN HEAD, MD 20640-5035		DEPARTMENT OF THE NAVY NAVAL AIR SYSTEM COMMAND WASHINGTON, D.C. 20386	
WATERLINE		ENGINEER CHECKED DRAWN		SPACER, FELT	
318A5240 318A5241 318A5242 NEXT SHEET USED ON		DATE APPROVED FOR WORK		DRAWING NUMBER 318A5241	
DO NOT SCALE DRAWING		SCALE: 4/1		SHEET 1 OF 1	

DISTRIBUTION STATEMENT C:  
THIS DOCUMENT IS AUTHORIZED TO U.S. GOVERNMENT AGENCIES AND THEIR CONTRACTORS FOR UNCLASSIFIED USE. 3-05-92. OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO COMMANDER, INDIAN HEAD DIVISION, NAVAL SURFACE WARFARE CENTER, 101 STINNISS AVENUE, INDIAN HEAD, MD 20640-5035

## DATA ITEM DESCRIPTION

**Title:** REQUEST FOR DEVIATION (RFD)

**Number:** DI-CMAN-80640C

**Approval Date:** 20000930

**AMSC Number:** D7389

**Limitation:** N/A

**DTIC Applicable:** No

**GIDEP Applicable:** No

**Office of Primary Responsibility:** D/DUSD(AT&L)SE

**Applicable Forms:** N/A

**Use, Relationships:** A Request for Deviation describes a proposed departure from (a non-conformance with) the contractually-specified configuration documentation for a specific number of units or for a specified period of time.

A Request for Deviation enables the Government to determine the impact on performance, operational readiness, logistics support or other affected areas.

This Data Item Description (DID) contains the format, content and preparation instructions for the data product resulting from the work task specified in the contract.

Data Item Description submittal in Extensible Markup Language (XML) is acceptable. An XML Document Type Definition (DTD), associated XML document template, and other information is available from <http://www.geia.org/836/>

This DID supersedes DI-CMAN-80640B and DI-CMAN-80641B.

### Requirements:

1. Reference documents. The applicable issue of any documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.
2. Format and content. The Request for Deviation (RFD) shall be prepared in contractor format. The RFD content shall include the consideration to be provided if the government accepts the deviation and, where applicable, the following information:
  - a. a complete description of the contract requirement affected and the nature of the deviation (non-conformance)
  - b. number of units (and serial/lot numbers) to be delivered in this configuration
  - c. any impacts to logistics support elements (such as software, manuals, spares, tools, and similar) being utilized by government personnel or to the operational use of the product
  - d. information about remedial actions being taken to prevent reoccurrence of the non-conformance

The following references may be useful in defining content: MIL-HDBK-61, Configuration Management Guidance (paragraph 4.3 and Table 4-9) and ANSI/EIA-649-1998, National Consensus Standard for Configuration Management (paragraph 5.3.4).

END OF DI-CMAN-80640C.

## DATA ITEM DESCRIPTION

Form Approved

OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

**1. TITLE**

Failure Analysis and Corrective Action Report

**2. IDENTIFICATION NUMBER**

DI-RELI- 81315

**3. DESCRIPTION/PURPOSE**

3.1 Provides immediate reporting of failure and subsequent details failure analysis results and corrective action recommendation.

**4. APPROVAL DATE  
(YYMMDD)**

930125

**5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)**

G/Y224

**6a. DTIC APPLICABLE****6b. GIDEP APPLICABLE****7. APPLICATION/INTERRELATIONSHIP**

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data resulting from the work task as described by MIL-STD-781D and MIL-STD-785B.

7.2 This DID supersedes DI-R-5299C.

**8. APPROVAL LIMITATION****9a. APPLICABLE FORMS****9b. AMSC NUMBER**

G6891

**10. PREPARATION INSTRUCTIONS**

10.1 Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

10.2 Content. The report shall contain the following:

- a. Failure Analysis Report Number. (See 10.5)
- b. Contract number.
- c. Equipment title.
- d. Equipment serial number.
- e. Date of failure.
- f. Test failed.
- g. Effect on equipment.

(Continue on Page 2)

**11. DISTRIBUTION STATEMENT**

**DISTRIBUTION STATEMENT A:** Approved for public release; distribution is unlimited.



10. PREPARATION INSTRUCTIONS (Continued)

h. Total test time at failure.

10.3 Preliminary Report. Content and format shall be as follows:

10.3.1 Content.

- a. Originator of the report.
- b. Date of the failure.
- c. Date of the report.
- d. Contractor's name.
- e. Failure Analysis Report Number. (See 10.5)
- f. Contract number.
- g. Equipment, title, part number, and serial number.
- h. Assembly title, part number, and serial number.
- i. Subassembly title, element or module title, part number, and serial number.
- j. Part name, part number, serial number, date code, and manufacturer.
- k. Name and specification of test failed.
- l. Elapsed time and phase of test failed.
- m. Total operation time of unit at time of failure.
- n. Failure symptoms.
- o. Failure mode.
- p. Classification failure (independent or dependent).
- q. Type of failure from Failure Keyword List. (See 10.7)
- r. Disposition of failed item.
- s. Any supplemental information relating to the failure (i.e., any internal contractor assessments, records, reports, correspondence, etc.).

10.3.2 Format. The report may be handwritten and legible.

10. PREPARATION INSTRUCTIONS (Continued)

10.4 Final Report

10.4.1 Content. The final report shall contain the items required in the Preliminary Report and the following additional items shall be included:

- a. Reference-Failure Analysis Report Number (see 10.5)
- b. Failure Analysis methods.
- c. Failure Analysis results.
- d. Statement as to whether this is a pattern failure. If it is, the reports of the other failure(s) will be referenced.
- e. Corrective action:
  - (1) Action on individual equipment failure.
  - (2) Measures to prevent other failures.

10.4.2 Format. The same format may be used for both Preliminary report and Final report.

10.5 Failure Analysis Number

a. Format. In accordance with the format code: X - N - T - F1 -F2

- (1). X is the equipment type number.
- (2). N is the sequential failure number.
- (3). T is the test phase in which the failure occurred.
  - (a) T=A for acceptance test.
  - (b) T=B for subassembly test.
  - (c) T=C for receiving inspection.
  - (d) T=D for reliability test.
  - (e) T=E for qualification test.
  - (f) T=F for system/equipment burn-in.
  - (g) T=G for system integration.

(4). F1 is the total number of failures of the same part number (i.e., resistor, capacitor, inductor, transistor, etc.) manufactured by the same vendor.

## 10. PREPARATION INSTRUCTIONS (Continued)

(5). F2 is the total number of occurrences of a specified failure mechanism of the same part number manufactured by the same vendor.

**10.6 Nonrelevant and Unverified Failures.** Nonrelevant and unverified failures shall not have the F1 and F2 numbers assigned because these types of failures do not relate to a part type failure. Instead, these failures shall be coded as "NR" for a nonrelevant failure and "UV" for an unverified failure.

### 10.7 Failure Keyword List.

10.7.1 Content. The content shall include:

- (1) Workmanship.
- (2) Handling.
- (3). Process.
- (4). Design.
- (5). Marking.
- (6). Test Equipment.
- (7). Contamination.
- (8). Open Bond Wire.
- (9). Electrical Short.
- (10). Electrical Open.
- (11). Software.
- (12). Mechanical.
- (13). Nonrelevant.
- (14). Under Investigation.
- (15). Unknown.
- (16). Unverified.
- (17). Glitch.
- (18). Testing Error.
- (19). Tolerance.



10.

Block 10, Preparation Instructions (Continued)

11.

(3) Drawings, schematics, photographs, etc., of noncommercial fixtures and testers necessary for test evaluation

e. Inspection criteria that defines the minimum performance requirements that the unit under test must meet in order to be considered acceptable to the Government. This shall include, as a minimum, worst case prime power inputs, worst case signal level and timing inputs, and signal level and timing outputs.

DATA ITEM DESCRIPTION		Form Approved OMB No. 0704-0188	
<b>TITLE</b> Special Production Tooling List/Design Concept		<b>2. IDENTIFICATION NUMBER</b> DI-ILSS-80908	
<b>3. DESCRIPTION / PURPOSE</b> 3.1 The Special Production Tooling List/Design Concept provides a description of the manufacturer and intended use of the special tooling. 3.2 This list provides the procuring activity a basis for evaluating special tooling requirements to ensure competitive procurement of interchangeable parts.			
<b>4. APPROVAL DATE (YYMMDD)</b> 891006	<b>5. OFFICE (OF PRIMARY RESPONSIBILITY (OPR))</b> A/MICOM	<b>6a. DTK APPLICABLE</b>	<b>6b. GIDEP APPLICABLE</b>
<b>7. APPLICATION / INTERRELATIONSHIP</b> 7.1 This Data Item Description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract. 7.2 This DID supersedes DI-P-1613.			
<b>8. APPROVAL LIMITATION</b>		<b>9a. APPLICABLE FORMS</b>	<b>9b. AMSC NUMBER</b> A4841
<b>10. PREPARATION INSTRUCTIONS</b> 10.1 <u>Format</u> . The Special Production Tooling List/Design Concept format shall be in alpha-numeric part number order. 10.2 <u>Content</u> . The Special Production Tooling List/Design Concept shall include the following for each special tool required to manufacture interchangeable parts: <ul style="list-style-type: none"> <li>a. Tool part number.</li> <li>b. Name and address of manufacturer.</li> <li>c. Physical description.</li> <li>d. Functional description which shall also include a sketch of the area of the end item where the special tooling shall be used.</li> <li>e. Commercial and Government Entity (CAGE) code.</li> <li>f. Potential user (identify all anticipated users in production).</li> <li>g. Planned production rate for tool to support.</li> </ul> <div style="text-align: right;">(Continued on Page 2)</div>			
<b>11. DISTRIBUTION STATEMENT</b>  DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.			

Block 10. Preparation Instructions (Continued)

- h. Quantity of tools required to support total production effort.
- i. Equipment options (including cost).
- j. Concept sketch of tool.
- k. Acquisition schedule.
- l. Alternatives considered.
  - (1) Commercial equipment compared to proposed special tooling design.
  - (2) Tooling used during validation stage or modification to existing special production tooling.
- m. Cost effectiveness of proposed tooling compared to the use of alternatives for:
  - (1) Design.
  - (2) Fabrication.
  - (3) Proofing cost of the special tooling.
- n. Estimated life of tool during production.
- o. Future use. State whether the special tooling shall be used "as is" for production, modified for production or replaced for production. Include the following:
  - (1) Rationale for modifications and replacements.
  - (2) Special requirements needed if modifications are made to the special tooling.

## **DATA ITEM DESCRIPTION**

Title: TECHNICAL REPORT - STUDY/SERVICES

Number: **DI-MISC-80508A**

Approval Date: 7 November 2000

Office of Primary Responsibility: G/TS-ALS

GIDEP Applicable: No

Applicable Forms: No

AMSC Number: G7408

DTIC Applicable: Defense Technical Information Center (DTIC), 8725 John J. Kingman Rd.,  
Ste. 0944, Ft. Belvoir, VA 22060-6218

### **Use/Relationship**

A technical report provides fully documented results of studies or analyses performed.

This data item description contains the format and content instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

This DID supersedes DI-MISC-80508.

### **Requirements:**

#### **1. Format.**

(a) The report and all attachments shall be typewritten, or otherwise clearly lettered, and shall be duplicated using non-fading ink.

(b) Text shall be prepared on standard letter size paper (8 1/2" x 11").

(c) When attachments are included, they shall be fully identified, referenced in the text, and folded to conform to the size paper used in the report.

(d) Security classification and distribution markings shall conform to the requirements of the contract, purchase description and security requirements checklist, as applicable.

#### **2. Content.**

(a) Title Page - Identifies the report by providing contract number, project name or purchase description title, task number, and reporting period.

(b) Table of Contents

(c) Section I - Includes the following:

(1) Introduction

(2) Summary - A brief statement of results obtained from the analytic effort.

(3) Conclusions and their condensed technical substantiation's.

(d) Section II - A complete and detailed description of the analytic results which led to the conclusions stated in Section I above.



DATA ITEM DESCRIPTION			Form Approved OASD No. 0704-0100	
2. TITLE  PROGRAM PROGRESS REPORT		1. IDENTIFICATION NUMBER  DI-MGMT-80555		
3. DESCRIPTION / PURPOSE  3.1 The Program Progress Report provides the Government with the means to evaluate and monitor the progress made by the contractor of tasks in accomplishing the goals established for the program.				
4. APPROVAL DATE (YYMMDD)  880330	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)  G/T213	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE	
7. APPLICATION / INTERRELATIONSHIP  7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.  7.2 This DID is applicable when the monitoring of the progress of a program is required on a periodic basis.  7.3 This DID supersedes DI-E-5009A, DI-E-5038A, and DI-A-5023.				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER  64365	
10. PREPARATION INSTRUCTIONS  10.1 <u>Format</u> . The Program Progress Report shall be in contractor's format. 10.1.1 <u>Title page</u> . The title page shall contain the following: 10.1.1.1 <u>Title</u> . The title shall identify the subject of the report, program name, or task. 10.1.1.2 <u>Name of contractor</u> . The name of the contractor preparing the report. 10.1.1.3 <u>Contract number</u> . The procurement instrument identification number. 10.1.1.4 <u>Key person</u> . The individual assigned to the task or who produced the report. 10.1.1.5 <u>Reporting Period</u> . The dates the reporting period begins and ends. 10.1.2 <u>Page size</u> . The report shall be on 8 1/2 x 11 inch or metric size A4 paper and typewritten or otherwise duplicated in nonfading ink. 10.2 <u>Content</u> . The report shall contain the following: 10.2.1 <u>Work summary</u> . A brief summary of work performed during the reporting period providing positive or negative comments.  (Continued on page 2)				
11. DISTRIBUTION STATEMENT  <u>DISTRIBUTION STATEMENT A</u> : Approved for public release; distribution is unlimited.				

Block 10, Preparation Instructions (Continued)

10.2.2 Schedule. A statement as to whether task or program is on schedule and if not, efforts planned to meet schedule shall be explained.

10.2.3 Studies. Discussion of all studies conducted during the reporting period and the results.

10.2.4 Experimental work/test procedures. An explanation of experimental work accomplished, description of test procedures applied (cite applicable military specification, paragraph number and test parameters), results of test and conclusions determined.

10.2.5 Designs. A description and illustration of all designs produced, along with required changes made to a previous design and a brief statement of any problems encountered.

10.2.6 Test equipment. Description, nomenclature and serial number of all test equipments used on the project including appropriate schematic or block diagrams.

10.2.6.1 List the serial number of all equipment(s) subjected to the testing.

10.2.6.2 Provide a brief description of all special test equipment designed or constructed for use on the project including appropriate schematic or block diagrams.

10.2.7 Test performed. Identification and description of all test(s) performed (cite applicable military specification, paragraph number, and test parameters).

10.2.7.1 Provide control settings of the test sample.

10.2.7.2 Resolutions of measurement equipment and range of input signals.

10.2.8 Failures. A brief explanation of any failures associated with test and appropriate, photographs, sketches, etc. to show failures, their causes or other unusual conditions.

10.2.9 Difficulties/problems. Describe any difficulties or problems encountered or which previously existed which could alter the progression of work along with recommendations of resolution.

10.2.10 Plan. Steps followed during execution of tasks.

10.2.11 Completion dates. Projected completion dates for each task.

10.2.12 Percentage. Percentage of task completed to date and percentage of allocated funds expended on tasks.

10.2.13 Additional information. Other information which may cause a significant change in the work schedule.

# DATA ITEM DESCRIPTION

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. TITLE  CERTIFICATE OF COMPLIANCE		2. IDENTIFICATION NUMBER  DI-MISC-81356	
3. DESCRIPTION/PURPOSE  3.1 The Certificate of Compliance will attest that the contractor has provided the parts/items that complies with all the technical and quality requirements and that the contractor has not deviated from the contract requirements.			
4. APPROVAL DATE (YYMMDD) 930720	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)  N/SPCC 8733	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE

7. APPLICATION/INTERRELATIONSHIP  7.1 This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.		
8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER  N6949

10. PREPARATION INSTRUCTIONS 10.1 <u>Format</u> . The Certificate of Compliance shall be prepared in a format similar to that of Figure 1. 10.2 <u>Content</u> . The Certificate of Compliance shall contain:  a. Contractor, address, phone number and date. b. The Contract issuing agency's purchase order number. c. The National Stock Number(s) (NSN). d. Item Nomenclature (noun name) of the item purchased. e. Contractor's or authorized personnel's signature. f. A statement to the effect that all items furnished on the contract are in full compliance with the specifications and requirements.	
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Continue on Page 2 of 2 Pages

11. DISTRIBUTION STATEMENT  DISTRIBUTION STATEMENT A: APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.
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Block 10. Preparation Instructions (continue)

CERTIFICATE OF COMPLIANCE

From: \_\_\_\_\_

\_\_\_\_\_  
Name of Firm

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_

Date: \_\_\_\_\_

To: Ships Parts Control Center  
Attn: Code 875  
5450 Carlisle Pike  
P.O. Box Mechanicsburg, PA 17055-0788

SPCC Contract/Purchase Order Number: \_\_\_\_\_

National Stock Number: \_\_\_\_\_

Item Nomenclature: \_\_\_\_\_

All items furnished on this contract are in full compliance with  
all specification and contract requirements.

\_\_\_\_\_  
Quality Assurance Manager

\_\_\_\_\_  
Senior Official

NOTE: The recording of false, fictitious or fraudulent statements  
or entries on this document may be punished as a felony under  
Federal Statutes.

Figure 1 - Sample format for Certificate of Compliance